



Urząd Gminy w Krzymowie

ul. Kościelna 2, 62-513 Krzymów

Krzymów, dnia 14.04.2023 r.

RI.271.16.2021

ENERGA-OPERATOR SA
Oddział w Kaliszu
Al. Wolności 8
62-800 Kalisz

Dotyczy: Wyłączania się instalacji fotowoltaicznych wskutek zbyt wysokiego napięcia sieciowego.

Szanowni Państwo,

Mija prawie rok od oddania do eksploatacji mieszkańcom Gminy Krzymów 270 szt. instalacji fotowoltaicznych. Wszystkie instalacje zostały indywidualnie odebrane, uruchomione i włączone do sieci elektrycznej na podstawie decyzji Państwa inspektorów.

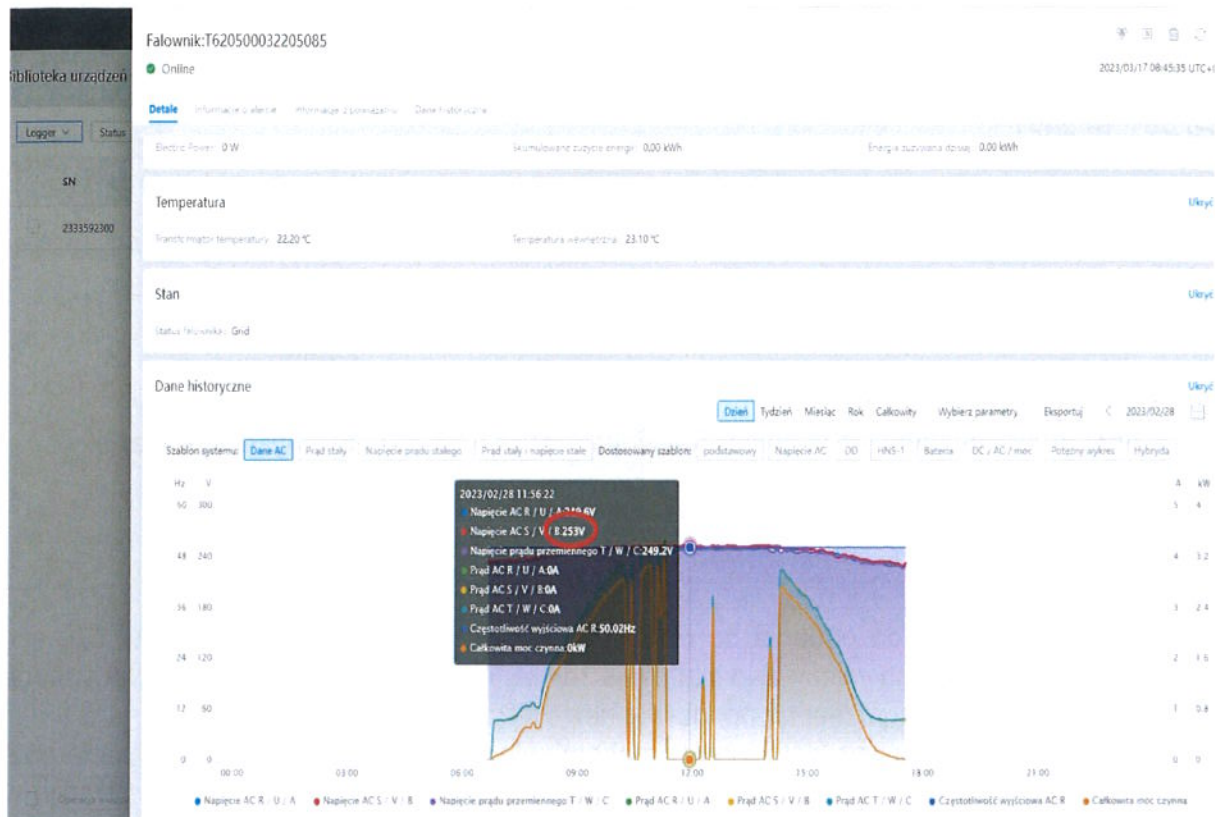
Równocześnie z systematycznym uruchamianiem poszczególnych instalacji na terenie Gminy Krzymów zaczął narastać problem wyłączania się falowników w instalacjach. Problemy te zgłaszane były do wykonawcy – gwaranta wszystkich instalacji w celu sprawdzenia danych instalacji. Wykonawca sprawdzał zgłaszane instalacje i jednoznacznie stwierdzał, że instalacje PV działają prawidłowo, a wyłączanie się instalacji fotowoltaicznych spowodowane jest przekroczeniami normy napięcia po stronie AC, czyli 253 V.

Przypadki wyłączania się falowników dla poszczególnych punktów poboru energii PPE bezpośrednio Państwu zgłaszaliśmy i zgłaszamy pocztą elektroniczną. Mamy również informacje od wielu mieszkańców, że samodzielnie zgłaszali i zgłaszają do Państwa ten problem poprzez infolinię lub listownie. Z realizacją zgłaszanych reklamacji jest różnie. W większości przypadków w odpowiedzi na reklamację przedstawiciele Energa – Operator S.A zalecają zgłoszenie tego problemu do wykonawcy instalacji i sprawdzenie instalacji PV pod względem przyłączenia i prawidłowego jej działania. Pracownicy Energa – Operator S.A dokonują również korekty wysokości napięcia w infrastrukturze. Niestety czynności te nie powodują zmniejszenia problemu wyłączania się instalacji PV. Przełom miesiąca lutego i marca oraz początek kwietnia b.r. jednoznacznie to pokazał, gdzie przy stosunkowo niewielkim nasłonecznieniu na terenie Gminy Krzymów instalacje zaczęły się wyłączać i nadal się wyłączają.

Dla potwierdzenia zaistniałej sytuacji przedstawiam problem kilku mieszkańców z różnych części gminy i ich instalacji w sposób tabelaryczny z zaznaczonymi przekroczeniami normy napięcia po stronie AC oraz rzuty z ekranów wykonane przez wykonawcę wszystkich instalacji oraz producenta falowników.

1. PPE – 590243845028273406

Zaznaczone pozycje (kolor czerwony) wskazują odczyty z inwertera przekraczające wartość 253V.



Raport z 01.03.2023 r.

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620500032205085	2333592300	2023/03/01 06:42:48	230.70	235.10	230.70
Falownik	T620500032205085	2333592300	2023/03/01 06:47:53	232.70	235.30	232.10
Falownik	T620500032205085	2333592300	2023/03/01 06:52:57	234.10	237.10	232.00
Falownik	T620500032205085	2333592300	2023/03/01 06:58:01	233.70	234.90	230.40
Falownik	T620500032205085	2333592300	2023/03/01 07:03:05	232.20	233.60	230.10
Falownik	T620500032205085	2333592300	2023/03/01 07:08:09	230.40	235.90	229.40
Falownik	T620500032205085	2333592300	2023/03/01 07:13:13	234.70	235.70	232.90
Falownik	T620500032205085	2333592300	2023/03/01 07:18:17	234.10	234.60	231.10
Falownik	T620500032205085	2333592300	2023/03/01 07:23:21	234.40	233.20	232.90
Falownik	T620500032205085	2333592300	2023/03/01 07:28:25	234.40	235.70	233.20
Falownik	T620500032205085	2333592300	2023/03/01 07:33:29	234.70	237.60	234.20
Falownik	T620500032205085	2333592300	2023/03/01 07:38:33	234.50	236.80	234.70
Falownik	T620500032205085	2333592300	2023/03/01 07:43:37	234.50	235.10	232.90
Falownik	T620500032205085	2333592300	2023/03/01 07:48:44	234.70	236.30	231.90
Falownik	T620500032205085	2333592300	2023/03/01 07:53:48	234.00	236.50	232.60
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Falownik	T620500032205085	2333592300	2023/03/01 08:03:56	235.70	238.00	234.90
Falownik	T620500032205085	2333592300	2023/03/01 08:09:00	237.70	238.70	234.40

Falownik	T620500032205085	2333592300	2023/03/01 08:14:04	238.10	240.10	236.70
Falownik	T620500032205085	2333592300	2023/03/01 08:19:08	239.10	242.10	237.70
Falownik	T620500032205085	2333592300	2023/03/01 08:24:12	240.80	242.10	238.10
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Falownik	T620500032205085	2333592300	2023/03/01 08:34:20	241.80	244.30	240.00
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Falownik	T620500032205085	2333592300	2023/03/01 08:59:40	245.20	245.90	242.90
Falownik	T620500032205085	2333592300	2023/03/01 09:04:44	241.90	248.00	243.70
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Falownik	T620500032205085	2333592300	2023/03/01 09:14:55	247.10	244.80	246.60
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Falownik	T620500032205085	2333592300	2023/03/01 09:25:04	248.50	248.20	245.60
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Falownik	T620500032205085	2333592300	2023/03/01 09:37:13	250.10	250.50	246.70
Falownik	T620500032205085	2333592300	2023/03/01 09:37:46	250.10	250.50	246.70
Falownik	T620500032205085	2333592300	2023/03/01 09:42:56	245.80	250.30	248.60
Falownik	T620500032205085	2333592300	2023/03/01 09:48:01	242.50	250.80	248.80
Falownik	T620500032205085	2333592300	2023/03/01 09:53:05	247.60	251.20	247.60
Falownik	T620500032205085	2333592300	2023/03/01 09:58:09	248.40	253.10	247.60
Falownik	T620500032205085	2333592300	2023/03/01 10:03:13	248.10	251.00	247.30
Falownik	T620500032205085	2333592300	2023/03/01 10:08:17	248.40	250.80	247.90
Falownik	T620500032205085	2333592300	2023/03/01 10:13:21	248.90	251.70	247.10
Falownik	T620500032205085	2333592300	2023/03/01 10:18:25	248.10	251.90	247.10
Falownik	T620500032205085	2333592300	2023/03/01 10:23:29	248.70	250.20	248.30
Falownik	T620500032205085	2333592300	2023/03/01 10:28:33	248.80	250.80	249.20
Falownik	T620500032205085	2333592300	2023/03/01 10:33:37	248.80	251.80	248.00
Falownik	T620500032205085	2333592300	2023/03/01 10:38:41	250.90	251.40	248.30
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Falownik	T620500032205085	2333592300	2023/03/01 10:53:53	249.10	250.40	246.80
Falownik	T620500032205085	2333592300	2023/03/01 10:58:57	249.10	250.90	248.20
Falownik	T620500032205085	2333592300	2023/03/01 11:04:01	249.90	251.00	248.50
Falownik	T620500032205085	2333592300	2023/03/01 11:09:05	248.70	250.40	246.70
Falownik	T620500032205085	2333592300	2023/03/01 11:14:09	248.80	251.90	247.70
Falownik	T620500032205085	2333592300	2023/03/01 11:19:14	249.20	253.80	248.20
Falownik	T620500032205085	2333592300	2023/03/01 11:24:18	248.40	250.40	247.30
Falownik	T620500032205085	2333592300	2023/03/01 11:29:22	250.60	253.70	248.20
Falownik	T620500032205085	2333592300	2023/03/01 11:34:26	248.70	249.50	246.50
Falownik	T620500032205085	2333592300	2023/03/01 11:39:30	248.10	251.30	247.20
Falownik	T620500032205085	2333592300	2023/03/01 11:44:34	248.40	253.00	247.40
Falownik	T620500032205085	2333592300	2023/03/01 11:49:38	247.30	250.50	247.00
Falownik	T620500032205085	2333592300	2023/03/01 11:54:42	247.00	253.00	247.80
Falownik	T620500032205085	2333592300	2023/03/01 11:59:46	251.10	251.20	249.40
Falownik	T620500032205085	2333592300	2023/03/01 12:04:50	250.10	250.30	248.50

Falownik	T620500032205085	2333592300	2023/03/01 12:09:54	251.80	251.30	250.30
Falownik	T620500032205085	2333592300	2023/03/01 12:14:58	249.10	251.50	247.40
Falownik	T620500032205085	2333592300	2023/03/01 12:20:02	249.70	253.40	249.00
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Falownik	T620500032205085	2333592300	2023/03/01 12:30:11	249.30	250.80	247.60
Falownik	T620500032205085	2333592300	2023/03/01 12:35:16	251.00	250.50	247.70
Falownik	T620500032205085	2333592300	2023/03/01 12:37:22	249.90	249.50	249.50
Falownik	T620500032205085	2333592300	2023/03/01 12:37:54	249.90	249.50	249.50
Falownik	T620500032205085	2333592300	2023/03/01 12:43:05	250.50	251.90	248.80
Falownik	T620500032205085	2333592300	2023/03/01 12:48:10	250.50	250.10	249.80
Falownik	T620500032205085	2333592300	2023/03/01 12:53:14	251.30	251.00	248.10
Falownik	T620500032205085	2333592300	2023/03/01 12:58:18	251.40	250.60	248.80
Falownik	T620500032205085	2333592300	2023/03/01 13:03:22	252.00	250.50	249.80
Falownik	T620500032205085	2333592300	2023/03/01 13:08:26	251.80	251.80	247.70
Falownik	T620500032205085	2333592300	2023/03/01 13:13:30	248.90	249.80	247.60
Falownik	T620500032205085	2333592300	2023/03/01 13:18:34	249.00	250.60	247.20
Falownik	T620500032205085	2333592300	2023/03/01 13:23:38	250.60	253.30	248.50
Falownik	T620500032205085	2333592300	2023/03/01 13:28:42	248.20	251.70	248.50
Falownik	T620500032205085	2333592300	2023/03/01 13:33:46	250.10	250.70	248.40
Falownik	T620500032205085	2333592300	2023/03/01 13:38:50	250.20	250.40	247.50
Falownik	T620500032205085	2333592300	2023/03/01 13:43:54	248.20	251.40	247.60
Falownik	T620500032205085	2333592300	2023/03/01 13:48:58	250.30	251.20	249.60
Falownik	T620500032205085	2333592300	2023/03/01 13:54:02	249.50	251.20	249.00
Falownik	T620500032205085	2333592300	2023/03/01 13:59:06	248.90	251.50	247.40
Falownik	T620500032205085	2333592300	2023/03/01 14:04:10	249.50	253.20	248.70
Falownik	T620500032205085	2333592300	2023/03/01 14:09:14	248.40	250.70	246.20
Falownik	T620500032205085	2333592300	2023/03/01 14:14:18	249.50	251.80	247.20
Falownik	T620500032205085	2333592300	2023/03/01 14:19:22	249.30	250.50	246.90
Falownik	T620500032205085	2333592300	2023/03/01 14:24:26	248.80	249.40	246.70
Falownik	T620500032205085	2333592300	2023/03/01 14:29:30	249.40	249.80	246.50
Falownik	T620500032205085	2333592300	2023/03/01 14:34:34	247.90	250.40	246.80
Falownik	T620500032205085	2333592300	2023/03/01 14:39:38	248.10	251.00	246.40
Falownik	T620500032205085	2333592300	2023/03/01 14:44:42	246.50	248.00	245.50
Falownik	T620500032205085	2333592300	2023/03/01 14:49:46	247.50	247.50	245.60
Falownik	T620500032205085	2333592300	2023/03/01 14:54:50	249.00	248.40	246.40
Falownik	T620500032205085	2333592300	2023/03/01 14:59:54	247.80	248.30	244.40
Falownik	T620500032205085	2333592300	2023/03/01 15:04:58	246.80	248.80	244.80
Falownik	T620500032205085	2333592300	2023/03/01 15:10:02	248.10	248.10	244.90
Falownik	T620500032205085	2333592300	2023/03/01 15:15:06	245.20	246.40	244.20
Falownik	T620500032205085	2333592300	2023/03/01 15:20:10	243.90	246.40	242.30
Falownik	T620500032205085	2333592300	2023/03/01 15:25:14	242.40	244.60	241.50
Falownik	T620500032205085	2333592300	2023/03/01 15:30:19	243.20	244.80	240.40
Falownik	T620500032205085	2333592300	2023/03/01 15:35:25	242.90	244.80	241.50
Falownik	T620500032205085	2333592300	2023/03/01 15:37:31	242.90	244.90	240.80
Falownik	T620500032205085	2333592300	2023/03/01 15:38:02	242.90	244.90	240.80
Falownik	T620500032205085	2333592300	2023/03/01 15:43:13	241.70	242.90	241.20
Falownik	T620500032205085	2333592300	2023/03/01 15:48:19	240.20	241.80	237.90
Falownik	T620500032205085	2333592300	2023/03/01 15:53:22	236.10	242.20	240.00

Falownik	T620500032205085	2333592300	2023/03/01 15:58:26	238.50	239.80	238.30
Falownik	T620500032205085	2333592300	2023/03/01 16:03:30	238.20	240.50	236.70
Falownik	T620500032205085	2333592300	2023/03/01 16:08:34	238.50	239.00	235.50
Falownik	T620500032205085	2333592300	2023/03/01 16:13:38	235.60	238.40	234.00
Falownik	T620500032205085	2333592300	2023/03/01 16:18:43	235.50	232.30	234.50
Falownik	T620500032205085	2333592300	2023/03/01 16:23:46	235.20	232.90	233.10
Falownik	T620500032205085	2333592300	2023/03/01 16:28:50	233.90	236.20	231.60
Falownik	T620500032205085	2333592300	2023/03/01 16:33:54	233.10	236.20	231.00
Falownik	T620500032205085	2333592300	2023/03/01 16:38:58	233.60	233.50	230.50
Falownik	T620500032205085	2333592300	2023/03/01 16:44:02	227.20	234.10	230.70
Falownik	T620500032205085	2333592300	2023/03/01 16:49:06	231.90	231.00	228.80
Falownik	T620500032205085	2333592300	2023/03/01 16:54:10	233.70	234.90	232.10
Falownik	T620500032205085	2333592300	2023/03/01 16:59:14	233.90	235.60	231.50
Falownik	T620500032205085	2333592300	2023/03/01 17:04:18	233.50	234.90	230.70
Falownik	T620500032205085	2333592300	2023/03/01 17:09:22	233.80	235.20	230.70
Falownik	T620500032205085	2333592300	2023/03/01 17:14:26	232.30	233.00	229.90
Falownik	T620500032205085	2333592300	2023/03/01 17:19:30	231.80	232.40	229.10
Falownik	T620500032205085	2333592300	2023/03/01 17:24:34	231.50	232.70	229.20
Falownik	T620500032205085	2333592300	2023/03/01 17:29:38	231.20	233.40	229.90
Falownik	T620500032205085	2333592300	2023/03/01 17:34:42	230.80	232.40	228.30

Raport z dnia 28.02.2023 r.

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620500032205085	2333592300	2023/02/28 17:32:46	228.80	231.20	227.20
Falownik	T620500032205085	2333592300	2023/02/28 17:27:42	227.00	228.30	225.20
Falownik	T620500032205085	2333592300	2023/02/28 17:22:38	227.50	230.60	228.70
Falownik	T620500032205085	2333592300	2023/02/28 17:17:34	229.80	231.10	227.70
Falownik	T620500032205085	2333592300	2023/02/28 17:12:30	229.80	231.90	228.20
Falownik	T620500032205085	2333592300	2023/02/28 17:07:26	231.60	233.40	228.20
Falownik	T620500032205085	2333592300	2023/02/28 17:02:22	230.20	233.40	228.50
Falownik	T620500032205085	2333592300	2023/02/28 16:57:18	230.90	233.10	230.90
Falownik	T620500032205085	2333592300	2023/02/28 16:52:14	231.70	233.90	230.90
Falownik	T620500032205085	2333592300	2023/02/28 16:47:09	232.70	233.00	230.90
Falownik	T620500032205085	2333592300	2023/02/28 16:41:57	231.70	232.90	229.80
Falownik	T620500032205085	2333592300	2023/02/28 16:41:23	231.70	232.90	229.80
Falownik	T620500032205085	2333592300	2023/02/28 16:39:17	230.60	233.30	231.70
Falownik	T620500032205085	2333592300	2023/02/28 16:34:13	234.00	234.80	230.90
Falownik	T620500032205085	2333592300	2023/02/28 16:29:09	233.00	235.90	232.10
Falownik	T620500032205085	2333592300	2023/02/28 16:24:05	234.90	235.80	231.20
Falownik	T620500032205085	2333592300	2023/02/28 16:19:01	234.80	237.20	234.90
Falownik	T620500032205085	2333592300	2023/02/28 16:13:57	236.20	238.50	234.00
Falownik	T620500032205085	2333592300	2023/02/28 16:08:53	237.90	240.10	235.80
Falownik	T620500032205085	2333592300	2023/02/28 16:03:49	238.30	239.00	237.40
Falownik	T620500032205085	2333592300	2023/02/28 15:58:45	240.10	241.60	237.20

Falownik	T620500032205085	2333592300	2023/02/28 15:53:41	240.10	241.40	238.40
Falownik	T620500032205085	2333592300	2023/02/28 15:48:37	242.40	238.00	240.30
Falownik	T620500032205085	2333592300	2023/02/28 15:43:33	242.80	238.60	239.30
Falownik	T620500032205085	2333592300	2023/02/28 15:38:29	241.50	244.30	241.20
Falownik	T620500032205085	2333592300	2023/02/28 15:33:25	243.60	243.50	242.00
Falownik	T620500032205085	2333592300	2023/02/28 15:28:21	243.10	244.80	242.60
Falownik	T620500032205085	2333592300	2023/02/28 15:23:17	245.30	247.10	242.60
Falownik	T620500032205085	2333592300	2023/02/28 15:18:13	244.70	246.90	243.10
Falownik	T620500032205085	2333592300	2023/02/28 15:13:09	245.60	245.50	243.40
Falownik	T620500032205085	2333592300	2023/02/28 15:08:05	247.70	248.00	243.90
Falownik	T620500032205085	2333592300	2023/02/28 15:03:01	247.50	247.50	243.60
Falownik	T620500032205085	2333592300	2023/02/28 14:57:57	246.50	248.90	244.90
Falownik	T620500032205085	2333592300	2023/02/28 14:52:53	246.10	248.30	244.80
Falownik	T620500032205085	2333592300	2023/02/28 14:47:49	247.70	248.40	244.10
Falownik	T620500032205085	2333592300	2023/02/28 14:42:45	247.20	249.00	243.30
Falownik	T620500032205085	2333592300	2023/02/28 14:37:41	246.90	249.60	244.60
Falownik	T620500032205085	2333592300	2023/02/28 14:32:37	247.90	249.10	246.40
Falownik	T620500032205085	2333592300	2023/02/28 14:27:33	244.90	249.70	247.00
Falownik	T620500032205085	2333592300	2023/02/28 14:22:30	248.80	248.70	245.60
Falownik	T620500032205085	2333592300	2023/02/28 14:17:25	249.60	250.30	243.30
Falownik	T620500032205085	2333592300	2023/02/28 14:12:21	246.70	251.70	248.40
Falownik	T620500032205085	2333592300	2023/02/28 14:07:17	248.90	251.20	243.80
Falownik	T620500032205085	2333592300	2023/02/28 14:02:13	249.70	251.40	245.00
Falownik	T620500032205085	2333592300	2023/02/28 13:57:09	249.10	253.40	247.90
Falownik	T620500032205085	2333592300	2023/02/28 13:52:05	249.80	252.10	248.20
Falownik	T620500032205085	2333592300	2023/02/28 13:47:00	248.40	253.20	248.90
Falownik	T620500032205085	2333592300	2023/02/28 13:33:38	247.60	251.70	248.60
Falownik	T620500032205085	2333592300	2023/02/28 13:28:31	248.10	250.80	248.70
Falownik	T620500032205085	2333592300	2023/02/28 13:10:07	248.90	250.70	247.30
Falownik	T620500032205085	2333592300	2023/02/28 13:05:03	247.80	252.10	247.50
Falownik	T620500032205085	2333592300	2023/02/28 12:59:59	249.70	251.60	247.20
Falownik	T620500032205085	2333592300	2023/02/28 12:54:56	249.30	252.50	248.10
Falownik	T620500032205085	2333592300	2023/02/28 12:49:51	249.60	251.00	246.80
Falownik	T620500032205085	2333592300	2023/02/28 12:44:47	248.10	250.80	247.40
Falownik	T620500032205085	2333592300	2023/02/28 12:39:42	249.00	251.70	247.10
Falownik	T620500032205085	2333592300	2023/02/28 12:34:31	249.10	251.00	247.10
Falownik	T620500032205085	2333592300	2023/02/28 12:33:58	249.10	251.00	247.10
Falownik	T620500032205085	2333592300	2023/02/28 12:31:52	249.90	252.70	248.10
Falownik	T620500032205085	2333592300	2023/02/28 12:26:47	249.70	250.60	247.90
Falownik	T620500032205085	2333592300	2023/02/28 12:21:42	248.30	250.00	248.30
Falownik	T620500032205085	2333592300	2023/02/28 12:16:39	249.50	250.70	247.70
Falownik	T620500032205085	2333592300	2023/02/28 12:11:34	248.10	251.80	247.00
Falownik	T620500032205085	2333592300	2023/02/28 12:06:30	248.00	251.30	249.00
Falownik	T620500032205085	2333592300	2023/02/28 12:01:26	249.50	252.10	248.30
Falownik	T620500032205085	2333592300	2023/02/28 11:56:22	249.60	253.00	249.20
Falownik	T620500032205085	2333592300	2023/02/28 11:51:18	248.00	250.30	248.00
Falownik	T620500032205085	2333592300	2023/02/28 11:46:14	249.50	252.70	247.30
Falownik	T620500032205085	2333592300	2023/02/28 11:41:10	248.60	251.20	246.40

Falownik	T620500032205085	2333592300	2023/02/28 11:36:06	247.50	251.50	246.70
Falownik	T620500032205085	2333592300	2023/02/28 11:31:02	244.40	252.80	248.80
Falownik	T620500032205085	2333592300	2023/02/28 11:25:58	249.10	250.10	246.90
Falownik	T620500032205085	2333592300	2023/02/28 11:20:54	248.90	251.90	248.70
Falownik	T620500032205085	2333592300	2023/02/28 11:15:51	250.80	251.90	248.00
Falownik	T620500032205085	2333592300	2023/02/28 11:10:46	249.90	252.80	248.10
Falownik	T620500032205085	2333592300	2023/02/28 11:05:42	250.20	252.50	249.00
Falownik	T620500032205085	2333592300	2023/02/28 11:00:38	249.50	251.40	248.10
Falownik	T620500032205085	2333592300	2023/02/28 10:55:34	249.50	252.30	248.10
Falownik	T620500032205085	2333592300	2023/02/28 10:50:30	251.00	251.40	248.70
Falownik	T620500032205085	2333592300	2023/02/28 10:45:26	248.70	251.40	248.20
Falownik	T620500032205085	2333592300	2023/02/28 10:40:22	248.40	250.40	248.60
Falownik	T620500032205085	2333592300	2023/02/28 10:35:18	248.40	252.20	248.70
Falownik	T620500032205085	2333592300	2023/02/28 10:30:14	249.00	251.80	247.90
Falownik	T620500032205085	2333592300	2023/02/28 10:25:10	249.10	251.10	248.30
Falownik	T620500032205085	2333592300	2023/02/28 10:20:06	247.10	249.70	246.20
Falownik	T620500032205085	2333592300	2023/02/28 10:15:02	248.80	250.80	246.60
Falownik	T620500032205085	2333592300	2023/02/28 10:09:58	249.90	251.50	247.20
Falownik	T620500032205085	2333592300	2023/02/28 10:04:54	249.30	250.50	246.90
Falownik	T620500032205085	2333592300	2023/02/28 09:59:50	250.60	251.70	247.60
Falownik	T620500032205085	2333592300	2023/02/28 09:54:46	248.20	250.00	248.60
Falownik	T620500032205085	2333592300	2023/02/28 09:49:42	248.90	249.80	248.60
Falownik	T620500032205085	2333592300	2023/02/28 09:44:38	248.80	250.90	247.60
Falownik	T620500032205085	2333592300	2023/02/28 09:39:33	249.30	250.40	244.00
Falownik	T620500032205085	2333592300	2023/02/28 09:34:22	248.10	248.30	246.70
Falownik	T620500032205085	2333592300	2023/02/28 09:33:50	248.10	248.30	246.70
Falownik	T620500032205085	2333592300	2023/02/28 09:31:44	247.30	249.70	244.30
Falownik	T620500032205085	2333592300	2023/02/28 09:26:40	247.00	249.70	245.30
Falownik	T620500032205085	2333592300	2023/02/28 09:21:36	247.70	247.70	244.20
Falownik	T620500032205085	2333592300	2023/02/28 09:16:32	248.20	247.70	244.70
Falownik	T620500032205085	2333592300	2023/02/28 09:11:28	248.00	247.40	244.70
Falownik	T620500032205085	2333592300	2023/02/28 09:06:24	247.50	246.60	244.90
Falownik	T620500032205085	2333592300	2023/02/28 09:01:20	246.30	246.30	244.40
Falownik	T620500032205085	2333592300	2023/02/28 08:56:16	244.30	247.00	243.10
Falownik	T620500032205085	2333592300	2023/02/28 08:51:12	245.20	245.80	241.70
Falownik	T620500032205085	2333592300	2023/02/28 08:46:08	243.30	246.30	241.30
Falownik	T620500032205085	2333592300	2023/02/28 08:41:04	242.70	246.10	242.00
Falownik	T620500032205085	2333592300	2023/02/28 08:36:00	242.40	245.00	242.10
Falownik	T620500032205085	2333592300	2023/02/28 08:30:56	241.60	243.90	239.80
Falownik	T620500032205085	2333592300	2023/02/28 08:25:52	241.50	243.50	240.30
Falownik	T620500032205085	2333592300	2023/02/28 08:20:48	240.50	241.70	237.10
Falownik	T620500032205085	2333592300	2023/02/28 08:15:44	240.10	241.50	239.20
Falownik	T620500032205085	2333592300	2023/02/28 08:10:40	239.80	240.30	237.70
Falownik	T620500032205085	2333592300	2023/02/28 08:05:36	240.20	241.80	237.20
Falownik	T620500032205085	2333592300	2023/02/28 08:00:32	239.20	239.80	237.60
Falownik	T620500032205085	2333592300	2023/02/28 07:55:28	235.70	239.20	235.70
Falownik	T620500032205085	2333592300	2023/02/28 07:50:24	237.70	238.40	236.00
Falownik	T620500032205085	2333592300	2023/02/28 07:45:20	236.10	236.90	233.90

Falownik	T620500032205085	2333592300	2023/02/28 07:40:16	234.80	235.90	232.70
Falownik	T620500032205085	2333592300	2023/02/28 07:35:12	232.30	238.00	235.20
Falownik	T620500032205085	2333592300	2023/02/28 07:30:08	233.70	237.10	232.00
Falownik	T620500032205085	2333592300	2023/02/28 07:25:04	233.00	236.70	232.80
Falownik	T620500032205085	2333592300	2023/02/28 07:20:00	233.30	234.60	232.60
Falownik	T620500032205085	2333592300	2023/02/28 07:14:56	233.30	235.30	230.60
Falownik	T620500032205085	2333592300	2023/02/28 07:09:52	232.50	236.00	230.20
Falownik	T620500032205085	2333592300	2023/02/28 07:04:48	231.30	234.50	230.60
Falownik	T620500032205085	2333592300	2023/02/28 06:59:44	231.10	235.30	227.50
Falownik	T620500032205085	2333592300	2023/02/28 06:54:40	232.40	234.60	230.10
Falownik	T620500032205085	2333592300	2023/02/28 06:49:36	231.80	234.50	230.50
Falownik	T620500032205085	2333592300	2023/02/28 06:44:31	231.10	233.80	230.70
Falownik	T620500032205085	2333592300	2023/02/28 06:39:26	231.80	234.60	231.20

2. PPE – 590243845028374318

Na tym adresie są problemy z napięciami. Początkiem dnia napięcie jest na poziomie 230V a później wzrasta do ponad 253V.

Sytuacja jest podobna w dni bez dużej produkcji np 26.02.2023 - poniżej zrzuty ekranu.

Urządzenie ma ustawione VAC max na 253V - potwierdzone przez producenta.





Tabele z zaznaczonymi przekroczeniami normy napięcia po stronie AC (z tygodnia 27-02-2023 – 05-03-2023) oraz dzienny z dnia 26-03-2023)

Zaznaczone pozycje (kolor czerwony) wskazują odczyty z inwertera przekraczające wartość 253V. Należy nadmienić, że po przekroczeniu tej wartości progowej inwerter się wyłącza i podejmuje pracę ponownie przy wykryciu prawidłowych parametrów prądu.

Proszę zwrócić uwagę, że w niektórych momentach napięcie wynosi nawet 256,9V (w dniu 26-02-2023), co jest absolutnie niedopuszczalne!

Raport tygodniowy.

SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
T620400032205003	2333672393	2023/03/01 10:30:26	250.60	253.10	251.60
T620400032205003	2333672393	2023/02/28 10:28:49	250.30	252.90	252.30
T620400032205003	2333672393	2023/02/28 10:30:04	250.30	252.90	252.30
T620400032205003	2333672393	2023/02/28 13:01:36	249.40	252.90	253.00
T620400032205003	2333672393	2023/02/28 11:53:28	251.80	252.70	252.60
T620400032205003	2333672393	2023/02/28 10:19:44	250.80	252.40	253.60
T620400032205003	2333672393	2023/03/01 10:15:11	250.60	252.20	251.90
T620400032205003	2333672393	2023/02/28 13:44:27	250.60	252.10	253.90
T620400032205003	2333672393	2023/02/28 13:47:23	250.60	252.10	253.90
T620400032205003	2333672393	2023/02/28 13:16:59	249.30	252.10	250.50
T620400032205003	2333672393	2023/02/28 12:08:42	249.00	252.10	251.70
T620400032205003	2333672393	2023/03/01 10:25:21	250.30	252.00	250.10
T620400032205003	2333672393	2023/02/28 13:23:20	251.50	251.80	251.50
T620400032205003	2333672393	2023/03/01 11:18:14	251.40	251.80	252.90
T620400032205003	2333672393	2023/02/28 10:12:02	249.90	251.80	251.80
T620400032205003	2333672393	2023/02/28 10:40:22	249.40	251.80	251.40
T620400032205003	2333672393	2023/02/28 12:46:03	252.90	251.70	253.60
T620400032205003	2333672393	2023/02/28 11:22:24	250.70	251.60	253.90
T620400032205003	2333672393	2023/02/28 11:09:36	250.50	251.50	250.90
T620400032205003	2333672393	2023/03/01 10:35:31	249.70	251.50	252.60

T620400032205003	2333672393	2023/02/28 11:38:13	250.30	251.40	252.40
T620400032205003	2333672393	2023/02/28 12:51:12	249.90	251.40	252.60
T620400032205003	2333672393	2023/03/01 09:34:27	249.90	251.40	251.80
T620400032205003	2333672393	2023/02/28 09:59:51	249.90	251.40	251.40
T620400032205003	2333672393	2023/02/28 12:33:56	249.40	251.40	251.80
T620400032205003	2333672393	2023/03/01 09:59:55	253.00	251.30	251.20
T620400032205003	2333672393	2023/02/28 13:06:47	250.80	251.30	251.20
T620400032205003	2333672393	2023/02/28 09:54:44	249.80	251.30	251.90
T620400032205003	2333672393	2023/02/28 10:50:32	249.80	251.30	250.00
T620400032205003	2333672393	2023/02/28 10:06:55	251.20	251.20	251.80
T620400032205003	2333672393	2023/03/01 09:49:43	250.80	251.10	251.40
T620400032205003	2333672393	2023/02/28 09:58:57	250.50	251.10	251.70
T620400032205003	2333672393	2023/02/28 10:01:30	250.50	251.10	251.70
T620400032205003	2333672393	2023/02/27 09:57:23	249.30	251.00	250.60
T620400032205003	2333672393	2023/02/28 13:39:03	251.90	250.90	251.80
T620400032205003	2333672393	2023/02/28 10:59:20	250.70	250.90	251.60
T620400032205003	2333672393	2023/02/28 12:39:03	251.30	250.80	252.20
T620400032205003	2333672393	2023/02/28 11:48:21	250.70	250.80	253.30
T620400032205003	2333672393	2023/02/28 13:18:06	250.50	250.80	251.80
T620400032205003	2333672393	2023/02/28 12:25:04	250.00	250.80	252.10
T620400032205003	2333672393	2023/02/28 10:35:15	249.90	250.80	251.30
T620400032205003	2333672393	2023/02/28 09:43:45	249.60	250.80	249.70
T620400032205003	2333672393	2023/02/28 10:53:36	249.40	250.80	251.80
T620400032205003	2333672393	2023/02/28 10:54:09	249.40	250.80	251.80
T620400032205003	2333672393	2023/02/28 13:52:34	251.10	250.70	252.50
T620400032205003	2333672393	2023/02/28 13:44:18	250.70	250.70	251.00
T620400032205003	2333672393	2023/02/28 13:33:33	250.40	250.70	252.50
T620400032205003	2333672393	2023/02/28 10:24:51	250.30	250.70	250.70
T620400032205003	2333672393	2023/02/28 11:27:29	248.70	250.70	251.70
T620400032205003	2333672393	2023/03/01 10:20:16	247.60	250.70	250.20
T620400032205003	2333672393	2023/03/01 11:13:10	253.00	250.60	253.30
T620400032205003	2333672393	2023/02/28 11:17:17	250.90	250.60	252.30
T620400032205003	2333672393	2023/02/28 11:41:35	250.80	250.60	252.70
T620400032205003	2333672393	2023/02/28 11:43:10	250.80	250.60	252.70
T620400032205003	2333672393	2023/02/28 11:12:07	249.60	250.60	251.90
T620400032205003	2333672393	2023/02/27 10:12:38	251.40	250.50	252.10
T620400032205003	2333672393	2023/02/28 10:45:27	250.30	250.50	251.30
T620400032205003	2333672393	2023/02/28 11:58:33	250.20	250.50	251.50
T620400032205003	2333672393	2023/02/28 12:56:17	250.00	250.50	253.90
T620400032205003	2333672393	2023/03/01 09:44:38	250.20	250.40	249.40
T620400032205003	2333672393	2023/02/28 09:42:48	249.60	250.40	250.60
T620400032205003	2333672393	2023/02/28 09:44:26	249.60	250.40	250.60
T620400032205003	2333672393	2023/03/01 09:54:50	250.60	250.30	252.50
T620400032205003	2333672393	2023/02/28 12:14:51	249.90	250.30	252.50
T620400032205003	2333672393	2023/02/28 09:38:38	249.60	250.30	251.10
T620400032205003	2333672393	2023/02/28 11:04:27	249.50	250.30	249.70
T620400032205003	2333672393	2023/02/28 12:27:09	251.50	250.10	252.70
T620400032205003	2333672393	2023/02/28 12:28:45	251.50	250.10	252.70

T620400032205003	2333672393	2023/02/28 10:13:03	249.60	250.00	251.10
T620400032205003	2333672393	2023/02/28 10:14:19	249.60	250.00	251.10
T620400032205003	2333672393	2023/02/28 13:11:55	248.90	250.00	251.40
T620400032205003	2333672393	2023/02/27 10:02:28	248.70	250.00	252.10
T620400032205003	2333672393	2023/02/28 12:03:38	250.80	249.90	252.90
T620400032205003	2333672393	2023/02/28 14:02:46	250.10	249.90	249.40
T620400032205003	2333672393	2023/02/28 13:28:28	249.80	249.90	252.60
T620400032205003	2333672393	2023/02/28 09:49:37	249.10	249.90	250.90
T620400032205003	2333672393	2023/03/01 10:45:42	250.10	249.80	252.80
T620400032205003	2333672393	2023/02/28 13:57:41	250.40	249.60	251.30
T620400032205003	2333672393	2023/02/28 12:06:42	249.90	249.60	251.10
T620400032205003	2333672393	2023/02/28 12:09:40	249.90	249.60	251.10
T620400032205003	2333672393	2023/03/01 10:40:36	250.80	249.50	253.30
T620400032205003	2333672393	2023/02/28 12:39:15	250.60	249.50	252.40
T620400032205003	2333672393	2023/02/28 12:40:48	250.60	249.50	252.40
T620400032205003	2333672393	2023/02/28 14:07:51	250.30	249.50	250.00
T620400032205003	2333672393	2023/03/01 11:02:59	249.20	249.40	251.50
T620400032205003	2333672393	2023/03/01 10:05:00	249.20	249.40	250.50
T620400032205003	2333672393	2023/02/28 09:33:30	247.40	249.40	249.70
T620400032205003	2333672393	2023/02/28 09:27:42	248.00	249.20	248.70
T620400032205003	2333672393	2023/02/28 09:28:18	248.00	249.20	248.70
T620400032205003	2333672393	2023/03/01 12:47:21	249.30	249.10	246.60
T620400032205003	2333672393	2023/02/27 09:52:18	247.90	249.00	246.90
T620400032205003	2333672393	2023/02/28 12:19:59	250.70	248.90	253.20
T620400032205003	2333672393	2023/03/01 11:08:04	249.30	248.90	252.50
T620400032205003	2333672393	2023/03/01 09:29:22	248.70	248.90	249.60
T620400032205003	2333672393	2023/02/28 14:12:56	250.20	248.50	250.80
T620400032205003	2333672393	2023/03/01 10:10:05	249.40	248.50	250.10
T620400032205003	2333672393	2023/03/01 09:39:32	248.80	248.50	249.20
T620400032205003	2333672393	2023/02/27 10:07:33	246.60	248.50	249.10
T620400032205003	2333672393	2023/03/01 10:57:54	249.10	248.40	252.50
T620400032205003	2333672393	2023/02/27 10:17:44	248.20	248.40	249.10
T620400032205003	2333672393	2023/02/28 11:32:09	248.00	248.40	250.90
T620400032205003	2333672393	2023/02/28 11:33:03	248.00	248.40	250.90
T620400032205003	2333672393	2023/03/01 09:19:12	246.70	248.40	246.30
T620400032205003	2333672393	2023/03/01 13:25:25	247.80	248.30	246.80
T620400032205003	2333672393	2023/02/28 09:27:37	249.20	248.20	249.60
T620400032205003	2333672393	2023/03/01 10:52:47	248.90	248.20	251.80
T620400032205003	2333672393	2023/03/01 13:07:42	246.60	248.20	245.40
T620400032205003	2333672393	2023/03/01 12:52:26	248.20	248.00	246.00
T620400032205003	2333672393	2023/03/01 09:24:17	248.70	247.80	248.90
T620400032205003	2333672393	2023/02/28 14:33:16	248.30	247.60	249.10
T620400032205003	2333672393	2023/03/01 11:46:17	246.50	247.60	247.60
T620400032205003	2333672393	2023/03/01 10:47:36	248.50	247.50	251.50
T620400032205003	2333672393	2023/02/28 09:17:27	248.00	247.50	247.20
T620400032205003	2333672393	2023/02/28 09:12:20	246.90	247.50	247.90
T620400032205003	2333672393	2023/03/01 12:57:33	250.30	247.40	247.20
T620400032205003	2333672393	2023/02/28 14:28:11	248.00	247.40	248.60

T620400032205003	2333672393	2023/02/28 09:05:15	245.70	247.40	246.60
T620400032205003	2333672393	2023/02/28 09:07:09	245.70	247.40	246.60
T620400032205003	2333672393	2023/03/01 12:37:10	245.90	247.30	247.50
T620400032205003	2333672393	2023/02/28 14:18:01	245.70	247.30	248.40
T620400032205003	2333672393	2023/02/28 14:43:27	245.20	247.10	246.30
T620400032205003	2333672393	2023/02/28 14:38:21	247.80	247.00	246.40
T620400032205003	2333672393	2023/02/28 09:22:32	247.60	247.00	249.10
T620400032205003	2333672393	2023/03/01 12:27:00	248.60	246.90	247.20
T620400032205003	2333672393	2023/03/01 11:56:27	245.40	246.90	248.80
T620400032205003	2333672393	2023/03/01 09:14:07	247.10	246.80	245.70
T620400032205003	2333672393	2023/03/01 13:15:07	247.60	246.70	247.30
T620400032205003	2333672393	2023/03/01 13:02:37	244.30	246.70	247.00
T620400032205003	2333672393	2023/03/01 12:42:16	246.80	246.60	247.80
T620400032205003	2333672393	2023/02/27 10:27:54	246.70	246.50	248.30
T620400032205003	2333672393	2023/03/01 13:30:31	247.50	246.40	247.40
T620400032205003	2333672393	2023/03/01 09:03:56	246.50	246.40	247.30
T620400032205003	2333672393	2023/02/28 15:03:47	242.50	246.40	245.80
T620400032205003	2333672393	2023/03/01 13:20:18	246.20	246.30	247.10
T620400032205003	2333672393	2023/02/28 14:23:06	247.70	246.20	248.00
T620400032205003	2333672393	2023/03/01 13:12:47	247.20	246.20	246.60
T620400032205003	2333672393	2023/02/28 09:05:13	245.80	246.20	247.10
T620400032205003	2333672393	2023/03/01 11:41:11	244.90	246.20	246.70
T620400032205003	2333672393	2023/03/01 12:16:50	248.00	246.00	246.00
T620400032205003	2333672393	2023/03/01 12:21:55	247.30	246.00	245.80
T620400032205003	2333672393	2023/03/01 12:32:05	246.10	246.00	248.60
T620400032205003	2333672393	2023/02/27 10:22:49	245.60	245.90	247.80
T620400032205003	2333672393	2023/03/01 09:09:01	244.80	245.90	245.90
T620400032205003	2333672393	2023/03/01 12:06:40	245.20	245.80	246.70
T620400032205003	2333672393	2023/02/27 09:42:08	243.90	245.80	246.30
T620400032205003	2333672393	2023/03/01 12:01:32	245.70	245.70	246.60
T620400032205003	2333672393	2023/02/28 14:53:37	243.20	245.70	245.30
T620400032205003	2333672393	2023/02/28 14:58:42	243.10	245.70	246.90
T620400032205003	2333672393	2023/02/27 10:58:27	245.50	245.60	246.90
T620400032205003	2333672393	2023/02/28 09:00:08	245.60	245.40	247.40
T620400032205003	2333672393	2023/02/28 14:48:32	244.60	245.30	247.20
T620400032205003	2333672393	2023/03/01 11:51:22	245.40	244.90	246.50
T620400032205003	2333672393	2023/02/28 15:08:52	244.30	244.80	246.20
T620400032205003	2333672393	2023/03/01 11:31:01	245.70	244.40	246.70
T620400032205003	2333672393	2023/02/27 10:53:22	244.60	244.30	244.60
T620400032205003	2333672393	2023/02/28 08:52:48	244.80	243.40	245.30
T620400032205003	2333672393	2023/02/28 08:54:55	244.80	243.40	245.30
T620400032205003	2333672393	2023/02/27 09:47:13	242.50	243.40	243.80
T620400032205003	2333672393	2023/03/01 12:11:45	245.10	243.10	248.50
T620400032205003	2333672393	2023/03/01 11:36:06	245.10	243.10	244.70
T620400032205003	2333672393	2023/03/01 08:53:46	243.20	242.70	243.70
T620400032205003	2333672393	2023/02/28 08:41:45	242.40	242.70	243.90
T620400032205003	2333672393	2023/03/01 08:58:51	244.70	242.60	244.80
T620400032205003	2333672393	2023/02/27 10:48:16	241.20	242.60	243.00

T620400032205003	2333672393	2023/02/28 15:14:00	243.00	242.50	244.10
T620400032205003	2333672393	2023/03/01 08:48:41	241.20	242.50	241.40
T620400032205003	2333672393	2023/03/01 08:43:36	242.60	242.10	244.10
T620400032205003	2333672393	2023/02/28 08:46:50	242.80	242.00	241.90
T620400032205003	2333672393	2023/02/27 10:43:11	239.50	241.80	240.80
T620400032205003	2333672393	2023/02/28 15:21:39	242.70	241.70	242.60
T620400032205003	2333672393	2023/02/28 15:16:28	242.70	241.70	241.40
T620400032205003	2333672393	2023/02/27 09:37:02	240.20	241.30	241.70
T620400032205003	2333672393	2023/03/01 11:25:46	243.00	241.20	245.00
T620400032205003	2333672393	2023/02/28 08:51:55	243.40	240.90	244.30
T620400032205003	2333672393	2023/03/01 08:33:25	241.80	240.80	242.50
T620400032205003	2333672393	2023/02/28 08:36:40	242.20	240.70	243.30
T620400032205003	2333672393	2023/03/01 08:38:30	241.10	240.60	241.50
T620400032205003	2333672393	2023/02/27 11:03:32	240.80	240.40	242.10
T620400032205003	2333672393	2023/02/28 15:36:56	241.70	240.30	240.50
T620400032205003	2333672393	2023/02/28 08:25:02	239.80	240.30	239.90
T620400032205003	2333672393	2023/02/28 08:26:18	239.80	240.30	239.90
T620400032205003	2333672393	2023/02/28 15:42:01	239.30	240.20	239.90
T620400032205003	2333672393	2023/02/28 15:26:46	241.60	240.00	243.20
T620400032205003	2333672393	2023/02/27 09:31:57	238.90	239.80	240.30
T620400032205003	2333672393	2023/02/28 08:15:41	238.00	239.40	239.40
T620400032205003	2333672393	2023/02/27 11:08:37	240.50	238.90	240.20
T620400032205003	2333672393	2023/02/28 08:31:33	239.60	238.70	241.20
T620400032205003	2333672393	2023/02/27 10:38:06	237.50	238.70	238.80
T620400032205003	2333672393	2023/02/27 11:28:58	238.60	238.60	240.50
T620400032205003	2333672393	2023/02/28 15:31:51	240.20	238.50	242.50
T620400032205003	2333672393	2023/02/27 09:26:52	238.90	238.50	239.80
T620400032205003	2333672393	2023/02/27 10:33:01	239.10	238.30	238.70
T620400032205003	2333672393	2023/02/27 11:13:42	239.40	237.80	241.10
T620400032205003	2333672393	2023/02/28 08:05:21	237.80	237.80	238.30
T620400032205003	2333672393	2023/02/28 08:00:14	238.10	237.70	238.80
T620400032205003	2333672393	2023/02/28 15:49:01	237.30	237.70	238.80
T620400032205003	2333672393	2023/02/28 15:50:22	237.30	237.70	238.80
T620400032205003	2333672393	2023/02/27 11:23:53	240.60	237.50	239.40
T620400032205003	2333672393	2023/03/01 08:28:20	238.30	237.50	238.70
T620400032205003	2333672393	2023/02/28 16:02:27	237.90	237.30	237.80
T620400032205003	2333672393	2023/02/27 13:46:50	237.20	237.30	238.00
T620400032205003	2333672393	2023/02/28 15:57:22	236.80	237.30	236.50
T620400032205003	2333672393	2023/03/01 08:18:10	236.10	237.30	236.30
T620400032205003	2333672393	2023/03/01 08:23:15	236.20	236.90	237.90
T620400032205003	2333672393	2023/02/27 12:07:26	237.20	236.80	237.90
T620400032205003	2333672393	2023/02/27 13:39:29	237.20	236.70	238.00
T620400032205003	2333672393	2023/02/28 08:20:49	236.70	236.70	238.40
T620400032205003	2333672393	2023/02/27 11:18:48	240.20	236.40	240.40
T620400032205003	2333672393	2023/02/28 15:47:06	237.80	236.40	238.70
T620400032205003	2333672393	2023/02/27 12:50:02	235.90	235.90	235.00
T620400032205003	2333672393	2023/02/28 08:09:34	237.00	235.70	235.80
T620400032205003	2333672393	2023/02/28 08:10:29	237.00	235.70	235.80

T620400032205003	2333672393	2023/02/27 09:11:37	234.70	235.70	237.30
T620400032205003	2333672393	2023/02/27 13:44:35	238.60	235.60	237.20
T620400032205003	2333672393	2023/02/27 09:21:47	237.80	235.50	237.50
T620400032205003	2333672393	2023/02/27 12:02:21	237.30	235.30	236.50
T620400032205003	2333672393	2023/02/27 11:34:03	236.80	234.90	235.70
T620400032205003	2333672393	2023/02/28 16:07:32	236.20	234.90	235.60
T620400032205003	2333672393	2023/02/27 12:19:21	236.40	234.70	237.20
T620400032205003	2333672393	2023/02/27 12:12:31	237.50	234.60	236.70
T620400032205003	2333672393	2023/02/27 09:16:42	235.60	234.30	235.40
T620400032205003	2333672393	2023/02/27 12:10:15	237.30	234.00	236.40
T620400032205003	2333672393	2023/02/27 12:13:09	237.30	234.00	236.40
T620400032205003	2333672393	2023/02/27 14:02:12	235.80	234.00	232.70
T620400032205003	2333672393	2023/02/27 13:29:18	233.70	234.00	233.60
T620400032205003	2333672393	2023/02/27 13:34:24	235.90	233.90	235.00
T620400032205003	2333672393	2023/03/01 08:08:00	234.30	233.90	233.10
T620400032205003	2333672393	2023/02/27 14:07:17	234.40	233.80	234.90
T620400032205003	2333672393	2023/02/27 11:57:15	235.50	233.60	234.60
T620400032205003	2333672393	2023/02/27 13:52:02	236.30	233.50	234.90
T620400032205003	2333672393	2023/02/27 11:33:49	235.50	233.40	234.90
T620400032205003	2333672393	2023/02/27 11:35:52	235.50	233.40	234.90
T620400032205003	2333672393	2023/02/27 14:12:23	232.30	233.40	232.80
T620400032205003	2333672393	2023/02/27 09:06:32	233.90	233.30	236.10
T620400032205003	2333672393	2023/02/27 12:50:21	235.30	233.20	235.00
T620400032205003	2333672393	2023/02/27 12:51:43	235.30	233.20	235.00
T620400032205003	2333672393	2023/02/27 12:42:36	234.70	233.10	234.70
T620400032205003	2333672393	2023/02/28 07:52:48	233.60	233.00	233.40
T620400032205003	2333672393	2023/02/28 07:55:04	233.60	233.00	233.40
T620400032205003	2333672393	2023/02/27 11:42:00	235.10	232.80	235.10
T620400032205003	2333672393	2023/02/27 11:36:35	234.40	232.80	233.70
T620400032205003	2333672393	2023/02/27 14:39:13	233.30	232.80	234.20
T620400032205003	2333672393	2023/02/27 12:42:55	233.20	232.80	232.80
T620400032205003	2333672393	2023/02/27 12:44:51	233.20	232.80	232.80
T620400032205003	2333672393	2023/02/27 14:49:23	232.00	232.80	232.70
T620400032205003	2333672393	2023/02/27 11:52:10	234.10	232.60	234.30
T620400032205003	2333672393	2023/02/28 16:17:42	230.70	232.60	233.60
T620400032205003	2333672393	2023/02/27 13:57:07	233.90	232.50	234.50
T620400032205003	2333672393	2023/02/27 09:01:27	232.40	232.50	234.40
T620400032205003	2333672393	2023/03/01 08:13:05	231.90	232.50	233.60
T620400032205003	2333672393	2023/02/28 16:12:37	231.40	232.50	235.90
T620400032205003	2333672393	2023/03/01 07:52:43	232.80	232.20	230.50
T620400032205003	2333672393	2023/02/27 12:54:08	233.00	232.10	231.90
T620400032205003	2333672393	2023/02/27 12:56:44	233.00	232.10	231.90
T620400032205003	2333672393	2023/02/27 14:09:55	231.70	232.10	231.80
T620400032205003	2333672393	2023/02/27 14:13:40	231.70	232.10	231.80
T620400032205003	2333672393	2023/02/27 13:14:03	230.70	232.10	231.40
T620400032205003	2333672393	2023/02/27 14:44:18	231.10	231.90	231.70
T620400032205003	2333672393	2023/02/27 11:47:05	232.80	231.70	234.70
T620400032205003	2333672393	2023/02/28 16:22:50	229.50	231.50	232.00

T620400032205003	2333672393	2023/02/28 07:51:53	233.40	231.40	233.60
T620400032205003	2333672393	2023/02/27 13:02:14	231.40	231.40	230.70
T620400032205003	2333672393	2023/02/27 13:04:40	231.40	231.40	230.70
T620400032205003	2333672393	2023/02/27 13:07:37	231.40	231.40	230.70
T620400032205003	2333672393	2023/02/27 12:36:08	232.10	231.30	231.80
T620400032205003	2333672393	2023/02/27 12:37:25	232.10	231.30	231.80
T620400032205003	2333672393	2023/02/27 12:24:29	235.20	231.20	233.10
T620400032205003	2333672393	2023/02/27 13:19:08	232.10	230.90	231.10
T620400032205003	2333672393	2023/02/27 14:34:07	231.60	230.90	232.20
T620400032205003	2333672393	2023/02/27 08:56:20	232.20	230.80	232.00
T620400032205003	2333672393	2023/02/27 13:01:55	232.20	230.70	230.90
T620400032205003	2333672393	2023/03/01 07:57:50	230.60	230.50	229.80
T620400032205003	2333672393	2023/03/01 08:02:55	231.80	230.40	230.10
T620400032205003	2333672393	2023/02/27 12:32:48	230.80	230.30	232.00
T620400032205003	2333672393	2023/02/27 14:18:52	231.00	230.20	231.70
T620400032205003	2333672393	2023/02/27 14:59:33	230.10	230.20	231.50
T620400032205003	2333672393	2023/03/01 07:34:28	230.60	230.10	230.80
T620400032205003	2333672393	2023/03/01 07:37:25	230.60	230.10	230.80
T620400032205003	2333672393	2023/02/27 14:29:02	229.40	230.10	231.10
T620400032205003	2333672393	2023/02/27 12:24:41	232.60	230.00	232.70
T620400032205003	2333672393	2023/02/27 12:27:38	232.60	230.00	232.70
T620400032205003	2333672393	2023/02/27 14:54:28	230.20	230.00	230.60
T620400032205003	2333672393	2023/02/28 07:46:48	232.90	229.90	232.30
T620400032205003	2333672393	2023/02/27 13:07:40	231.30	229.90	230.80
T620400032205003	2333672393	2023/02/27 13:08:47	231.30	229.90	230.80
T620400032205003	2333672393	2023/02/28 07:36:36	229.30	229.90	232.00
T620400032205003	2333672393	2023/03/01 07:30:20	230.10	229.80	231.50
T620400032205003	2333672393	2023/02/27 13:24:13	229.30	229.70	229.40
T620400032205003	2333672393	2023/03/01 07:25:14	230.80	229.30	230.50
T620400032205003	2333672393	2023/03/01 07:45:55	229.90	229.30	230.10
T620400032205003	2333672393	2023/03/01 07:47:29	229.90	229.30	230.10
T620400032205003	2333672393	2023/02/28 07:31:28	227.80	229.20	230.20
T620400032205003	2333672393	2023/02/27 15:00:42	230.30	229.00	229.00
T620400032205003	2333672393	2023/02/27 15:04:04	230.30	229.00	229.00
T620400032205003	2333672393	2023/03/01 07:42:36	227.90	229.00	230.20
T620400032205003	2333672393	2023/02/28 16:27:58	226.70	229.00	229.40
T620400032205003	2333672393	2023/02/28 07:20:58	229.40	228.60	228.40
T620400032205003	2333672393	2023/02/28 07:41:40	230.10	228.50	231.20
T620400032205003	2333672393	2023/02/27 15:09:16	230.10	228.30	231.10
T620400032205003	2333672393	2023/02/27 15:29:59	228.50	228.20	227.50
T620400032205003	2333672393	2023/03/01 07:35:25	229.20	228.10	229.90
T620400032205003	2333672393	2023/02/28 16:33:03	230.10	227.80	228.90
T620400032205003	2333672393	2023/02/28 07:24:42	229.70	227.70	230.60
T620400032205003	2333672393	2023/02/28 07:26:17	229.70	227.70	230.60
T620400032205003	2333672393	2023/03/01 07:10:04	227.40	227.70	229.40
T620400032205003	2333672393	2023/02/27 14:23:57	229.60	227.60	231.30
T620400032205003	2333672393	2023/02/27 15:49:05	227.80	227.60	227.80
T620400032205003	2333672393	2023/02/27 07:13:26	226.10	227.50	227.00

T620400032205003	2333672393	2023/02/27 08:29:44	226.90	227.40	228.10
T620400032205003	2333672393	2023/02/27 08:24:39	226.70	227.30	226.80
T620400032205003	2333672393	2023/02/27 15:14:21	229.20	227.20	230.80
T620400032205003	2333672393	2023/03/01 07:18:00	229.10	227.20	229.30
T620400032205003	2333672393	2023/03/01 07:20:01	229.10	227.20	229.30
T620400032205003	2333672393	2023/03/01 06:49:44	228.80	227.20	228.00
T620400032205003	2333672393	2023/02/28 16:38:08	228.70	227.20	228.30
T620400032205003	2333672393	2023/02/27 08:19:34	227.30	227.20	226.00
T620400032205003	2333672393	2023/02/27 07:28:42	228.40	227.10	227.70
T620400032205003	2333672393	2023/03/01 06:59:54	229.90	227.00	229.00
T620400032205003	2333672393	2023/02/27 15:19:46	228.10	226.90	228.20
T620400032205003	2333672393	2023/02/27 15:21:55	228.10	226.90	228.20
T620400032205003	2333672393	2023/02/27 15:41:59	229.50	226.80	228.70
T620400032205003	2333672393	2023/02/27 15:43:55	229.50	226.80	228.70
T620400032205003	2333672393	2023/03/01 07:15:09	227.90	226.80	228.30
T620400032205003	2333672393	2023/02/28 07:10:46	225.10	226.80	226.10
T620400032205003	2333672393	2023/02/27 07:38:52	226.10	226.70	225.90
T620400032205003	2333672393	2023/02/27 15:19:43	227.50	226.60	227.40
T620400032205003	2333672393	2023/02/28 06:54:17	227.50	226.60	226.90
T620400032205003	2333672393	2023/02/28 16:43:13	227.20	226.60	227.40
T620400032205003	2333672393	2023/02/27 08:46:03	228.70	226.50	227.10
T620400032205003	2333672393	2023/02/27 08:49:19	228.70	226.50	227.10
T620400032205003	2333672393	2023/02/27 08:51:06	228.70	226.50	227.10
T620400032205003	2333672393	2023/02/27 08:44:59	227.40	226.40	228.50
T620400032205003	2333672393	2023/02/27 08:14:28	225.20	226.30	225.90
T620400032205003	2333672393	2023/02/27 08:34:49	228.30	226.20	228.90
T620400032205003	2333672393	2023/02/28 07:00:35	224.90	226.20	225.60
T620400032205003	2333672393	2023/02/27 07:54:08	227.70	226.10	225.90
T620400032205003	2333672393	2023/02/27 15:54:12	226.50	226.10	225.70
T620400032205003	2333672393	2023/02/28 06:55:08	227.40	226.00	226.60
T620400032205003	2333672393	2023/02/28 07:15:53	228.30	225.90	229.60
T620400032205003	2333672393	2023/02/27 07:23:37	226.60	225.70	225.40
T620400032205003	2333672393	2023/03/01 07:04:59	227.80	225.60	226.80
T620400032205003	2333672393	2023/02/27 15:21:58	226.60	225.60	225.70
T620400032205003	2333672393	2023/02/27 15:24:28	226.60	225.60	225.70
T620400032205003	2333672393	2023/02/27 07:18:32	227.40	225.50	227.60
T620400032205003	2333672393	2023/02/27 15:59:19	227.40	225.40	226.90
T620400032205003	2333672393	2023/02/27 08:09:23	225.90	225.30	225.00
T620400032205003	2333672393	2023/02/27 15:19:26	227.70	225.20	225.90
T620400032205003	2333672393	2023/03/01 06:54:49	228.10	225.10	228.30
T620400032205003	2333672393	2023/02/27 08:39:54	227.40	225.10	226.70
T620400032205003	2333672393	2023/02/28 16:48:18	227.20	225.10	225.70
T620400032205003	2333672393	2023/03/01 06:44:38	227.30	225.00	225.80
T620400032205003	2333672393	2023/02/27 07:49:03	225.10	224.90	225.20
T620400032205003	2333672393	2023/02/28 07:05:41	226.00	224.70	226.80
T620400032205003	2333672393	2023/02/28 06:49:12	226.40	224.50	225.90
T620400032205003	2333672393	2023/02/27 07:43:57	224.90	224.50	225.30
T620400032205003	2333672393	2023/02/27 07:59:13	225.20	224.40	225.90

T620400032205003	2333672393	2023/02/27 16:04:24	227.20	224.30	225.40
T620400032205003	2333672393	2023/02/27 07:33:47	224.70	224.20	224.90
T620400032205003	2333672393	2023/02/27 15:40:11	227.00	224.00	226.00
T620400032205003	2333672393	2023/02/27 16:13:17	226.90	224.00	225.30
T620400032205003	2333672393	2023/02/28 16:53:23	225.20	224.00	222.40
T620400032205003	2333672393	2023/02/27 08:04:18	225.10	224.00	223.20
T620400032205003	2333672393	2023/02/27 15:35:06	228.50	223.90	226.10
T620400032205003	2333672393	2023/02/27 16:23:38	225.00	223.90	223.70
T620400032205003	2333672393	2023/02/27 16:30:38	223.50	223.60	222.40
T620400032205003	2333672393	2023/02/27 16:09:29	225.70	223.50	225.00
T620400032205003	2333672393	2023/02/27 16:35:45	224.00	223.40	225.10
T620400032205003	2333672393	2023/02/28 16:58:29	225.10	223.10	221.00
T620400032205003	2333672393	2023/02/27 16:10:25	225.40	223.00	223.90
T620400032205003	2333672393	2023/02/27 16:12:32	225.40	223.00	223.90
T620400032205003	2333672393	2023/02/28 06:43:50	224.40	222.80	228.70
T620400032205003	2333672393	2023/02/27 16:18:32	224.20	222.70	224.30
T620400032205003	2333672393	2023/02/27 07:03:16	222.90	222.60	225.30
T620400032205003	2333672393	2023/02/27 07:08:21	223.70	222.50	223.70
T620400032205003	2333672393	2023/02/27 06:58:11	223.20	222.30	225.20
T620400032205003	2333672393	2023/02/27 16:40:50	222.00	222.20	222.30
T620400032205003	2333672393	2023/02/28 17:13:44	222.70	222.10	223.20
T620400032205003	2333672393	2023/02/28 17:08:39	224.30	222.00	223.00
T620400032205003	2333672393	2023/02/27 17:16:32	221.30	221.30	220.30
T620400032205003	2333672393	2023/02/27 16:22:52	226.00	221.20	224.70
T620400032205003	2333672393	2023/02/27 16:25:27	226.00	221.20	224.70
T620400032205003	2333672393	2023/02/28 17:23:54	222.00	221.10	221.90
T620400032205003	2333672393	2023/02/28 17:34:06	220.90	221.10	218.10
T620400032205003	2333672393	2023/02/27 16:51:55	224.40	221.00	223.00
T620400032205003	2333672393	2023/02/28 17:18:50	221.90	220.90	223.20
T620400032205003	2333672393	2023/02/28 17:03:34	223.20	220.60	222.10
T620400032205003	2333672393	2023/02/27 16:42:59	221.50	220.20	222.70
T620400032205003	2333672393	2023/02/27 16:45:07	221.50	220.20	222.70
T620400032205003	2333672393	2023/02/27 17:07:12	221.10	219.80	220.60
T620400032205003	2333672393	2023/02/27 16:57:00	221.00	219.80	221.50
T620400032205003	2333672393	2023/02/27 16:46:35	221.50	219.70	220.80
T620400032205003	2333672393	2023/02/27 17:08:06	220.30	219.40	220.80
T620400032205003	2333672393	2023/02/27 17:11:21	220.30	219.40	220.80
T620400032205003	2333672393	2023/02/28 17:29:00	221.40	218.60	217.40
T620400032205003	2333672393	2023/02/27 17:02:05	219.90	218.50	219.00
T620400032205003	2333672393	2023/03/01 11:23:19	0.40	0.60	0.50

Raport dzienny

Proszę zwrócić uwagę, że w niektórych momentach napięcie wynosi nawet 256,9V (w dniu 26-02-2023), co jest absolutnie niedopuszczalne!

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemienego T / W / C(V)
Falownik	T620400032205003	2333672393	2023/02/26 14:29:14	252.70	254.30	255.80
Falownik	T620400032205003	2333672393	2023/02/26 14:24:07	254.60	256.90	255.60
Falownik	T620400032205003	2333672393	2023/02/26 14:12:52	252.00	254.10	254.90
Falownik	T620400032205003	2333672393	2023/02/26 14:15:02	252.00	254.10	254.90
Falownik	T620400032205003	2333672393	2023/02/26 14:02:29	252.30	253.60	254.50
Falownik	T620400032205003	2333672393	2023/02/26 13:11:38	249.30	251.70	254.40
Falownik	T620400032205003	2333672393	2023/02/26 13:21:48	253.20	250.90	254.30
Falownik	T620400032205003	2333672393	2023/02/26 14:12:39	252.70	253.50	254.10
Falownik	T620400032205003	2333672393	2023/02/26 12:56:40	248.40	250.20	253.60
Falownik	T620400032205003	2333672393	2023/02/26 13:06:31	249.50	250.70	253.30
Falownik	T620400032205003	2333672393	2023/02/26 12:51:35	248.80	251.10	253.10
Falownik	T620400032205003	2333672393	2023/02/26 12:05:37	251.00	251.00	253.00
Falownik	T620400032205003	2333672393	2023/02/26 13:47:13	250.10	251.30	252.70
Falownik	T620400032205003	2333672393	2023/02/26 14:07:34	251.40	252.20	252.50
Falownik	T620400032205003	2333672393	2023/02/26 15:15:00	249.60	248.50	252.40
Falownik	T620400032205003	2333672393	2023/02/26 14:39:24	249.20	248.00	252.30
Falownik	T620400032205003	2333672393	2023/02/26 13:00:24	250.30	250.70	252.20
Falownik	T620400032205003	2333672393	2023/02/26 13:01:20	250.30	250.70	252.20
Falownik	T620400032205003	2333672393	2023/02/26 14:15:05	250.00	250.10	252.20
Falownik	T620400032205003	2333672393	2023/02/26 14:17:15	250.00	250.10	252.20
Falownik	T620400032205003	2333672393	2023/02/26 11:03:50	249.30	250.30	251.90
Falownik	T620400032205003	2333672393	2023/02/26 15:25:10	250.60	250.10	251.70
Falownik	T620400032205003	2333672393	2023/02/26 10:48:26	249.50	249.50	251.70
Falownik	T620400032205003	2333672393	2023/02/26 11:34:40	251.90	250.50	251.50
Falownik	T620400032205003	2333672393	2023/02/26 14:17:18	251.20	251.40	251.40
Falownik	T620400032205003	2333672393	2023/02/26 14:18:36	251.20	251.40	251.40
Falownik	T620400032205003	2333672393	2023/02/26 15:20:05	248.30	248.20	251.40
Falownik	T620400032205003	2333672393	2023/02/26 11:14:03	250.30	249.80	251.30
Falownik	T620400032205003	2333672393	2023/02/26 15:46:34	248.90	249.20	251.30
Falownik	T620400032205003	2333672393	2023/02/26 10:58:42	249.80	249.50	251.20
Falownik	T620400032205003	2333672393	2023/02/26 10:33:08	249.50	250.20	250.80
Falownik	T620400032205003	2333672393	2023/02/26 12:20:59	250.70	251.60	250.70
Falownik	T620400032205003	2333672393	2023/02/26 12:26:04	250.10	249.90	250.70
Falownik	T620400032205003	2333672393	2023/02/26 12:10:42	249.60	248.70	250.70
Falownik	T620400032205003	2333672393	2023/02/26 14:44:29	249.60	248.00	250.60
Falownik	T620400032205003	2333672393	2023/02/26 13:26:53	249.90	250.20	250.40
Falownik	T620400032205003	2333672393	2023/02/26 12:00:27	249.60	250.60	250.30
Falownik	T620400032205003	2333672393	2023/02/26 13:16:43	249.00	249.70	250.30
Falownik	T620400032205003	2333672393	2023/02/26 14:34:19	246.90	247.20	250.30
Falownik	T620400032205003	2333672393	2023/02/26 10:38:14	249.80	249.90	250.10

Falownik	T620400032205003	2333672393	2023/02/26 15:54:00	248.40	249.90	250.00
Falownik	T620400032205003	2333672393	2023/02/26 15:40:05	250.10	249.90	249.90
Falownik	T620400032205003	2333672393	2023/02/26 15:41:22	250.10	249.90	249.90
Falownik	T620400032205003	2333672393	2023/02/26 10:28:03	248.60	249.30	249.80
Falownik	T620400032205003	2333672393	2023/02/26 15:26:37	250.80	249.50	249.70
Falownik	T620400032205003	2333672393	2023/02/26 15:28:49	250.80	249.50	249.70
Falownik	T620400032205003	2333672393	2023/02/26 11:24:22	248.60	249.40	249.70
Falownik	T620400032205003	2333672393	2023/02/26 12:15:55	248.70	248.20	249.60
Falownik	T620400032205003	2333672393	2023/02/26 11:19:11	249.10	250.20	249.50
Falownik	T620400032205003	2333672393	2023/02/26 10:43:18	247.70	249.00	249.40
Falownik	T620400032205003	2333672393	2023/02/26 15:28:52	249.70	248.60	249.40
Falownik	T620400032205003	2333672393	2023/02/26 15:33:14	249.70	248.60	249.40
Falownik	T620400032205003	2333672393	2023/02/26 11:39:48	247.70	248.90	249.30
Falownik	T620400032205003	2333672393	2023/02/26 09:36:40	249.00	248.60	249.30
Falownik	T620400032205003	2333672393	2023/02/26 13:52:18	248.50	248.60	249.30
Falownik	T620400032205003	2333672393	2023/02/26 13:57:24	249.90	248.20	249.30
Falownik	T620400032205003	2333672393	2023/02/26 14:49:34	249.10	249.10	249.20
Falownik	T620400032205003	2333672393	2023/02/26 11:29:27	249.40	247.90	249.20
Falownik	T620400032205003	2333672393	2023/02/26 15:38:16	251.20	250.70	249.00
Falownik	T620400032205003	2333672393	2023/02/26 12:46:28	247.40	247.90	248.90
Falownik	T620400032205003	2333672393	2023/02/26 09:56:52	248.10	249.80	248.60
Falownik	T620400032205003	2333672393	2023/02/26 09:57:25	248.10	249.80	248.60
Falownik	T620400032205003	2333672393	2023/02/26 10:17:53	249.00	250.40	248.50
Falownik	T620400032205003	2333672393	2023/02/26 13:42:08	248.10	248.10	248.50
Falownik	T620400032205003	2333672393	2023/02/26 10:53:31	250.00	248.60	248.40
Falownik	T620400032205003	2333672393	2023/02/26 09:52:03	247.60	246.60	248.20
Falownik	T620400032205003	2333672393	2023/02/26 13:31:58	246.90	245.00	248.20
Falownik	T620400032205003	2333672393	2023/02/26 09:31:35	245.60	247.10	248.00
Falownik	T620400032205003	2333672393	2023/02/26 09:41:53	246.80	248.50	247.90
Falownik	T620400032205003	2333672393	2023/02/26 11:08:55	247.90	248.40	247.90
Falownik	T620400032205003	2333672393	2023/02/26 15:09:54	247.50	245.80	247.80
Falownik	T620400032205003	2333672393	2023/02/26 09:46:58	246.80	248.70	247.60
Falownik	T620400032205003	2333672393	2023/02/26 15:04:49	248.50	248.20	247.60
Falownik	T620400032205003	2333672393	2023/02/26 11:44:59	248.00	248.10	247.60
Falownik	T620400032205003	2333672393	2023/02/26 14:59:44	248.70	247.10	246.90
Falownik	T620400032205003	2333672393	2023/02/26 11:50:07	246.60	246.00	246.90
Falownik	T620400032205003	2333672393	2023/02/26 16:00:38	245.60	245.70	246.70
Falownik	T620400032205003	2333672393	2023/02/26 16:02:16	245.60	245.70	246.70
Falownik	T620400032205003	2333672393	2023/02/26 12:36:20	245.10	244.10	246.40
Falownik	T620400032205003	2333672393	2023/02/26 15:59:26	248.50	247.30	246.30
Falownik	T620400032205003	2333672393	2023/02/26 10:22:58	246.60	246.40	246.20
Falownik	T620400032205003	2333672393	2023/02/26 14:54:39	246.10	246.20	246.00
Falownik	T620400032205003	2333672393	2023/02/26 11:55:18	245.80	244.70	245.90
Falownik	T620400032205003	2333672393	2023/02/26 10:12:48	246.90	247.10	245.60
Falownik	T620400032205003	2333672393	2023/02/26 10:02:36	245.50	245.80	245.40
Falownik	T620400032205003	2333672393	2023/02/26 09:26:25	244.60	242.80	245.20
Falownik	T620400032205003	2333672393	2023/02/26 10:07:43	245.00	247.30	244.90
Falownik	T620400032205003	2333672393	2023/02/26 16:22:43	242.20	242.50	244.60

Falownik	T620400032205003	2333672393	2023/02/26 12:38:58	241.80	243.20	244.10
Falownik	T620400032205003	2333672393	2023/02/26 12:40:56	241.80	243.20	244.10
Falownik	T620400032205003	2333672393	2023/02/26 09:10:58	242.80	242.80	244.10
Falownik	T620400032205003	2333672393	2023/02/26 09:16:09	244.50	242.00	243.80
Falownik	T620400032205003	2333672393	2023/02/26 15:48:45	245.60	246.10	243.60
Falownik	T620400032205003	2333672393	2023/02/26 15:50:49	245.60	246.10	243.60
Falownik	T620400032205003	2333672393	2023/02/26 09:00:33	243.30	244.20	243.60
Falownik	T620400032205003	2333672393	2023/02/26 13:37:03	243.60	241.00	243.40
Falownik	T620400032205003	2333672393	2023/02/26 16:37:59	241.80	240.70	243.40
Falownik	T620400032205003	2333672393	2023/02/26 09:05:45	244.60	244.10	243.30
Falownik	T620400032205003	2333672393	2023/02/26 16:43:04	239.90	242.40	243.10
Falownik	T620400032205003	2333672393	2023/02/26 09:21:17	240.80	241.20	243.00
Falownik	T620400032205003	2333672393	2023/02/26 08:55:25	242.70	241.00	242.90
Falownik	T620400032205003	2333672393	2023/02/26 12:31:12	243.30	241.70	242.30
Falownik	T620400032205003	2333672393	2023/02/26 16:07:28	241.10	241.90	242.00
Falownik	T620400032205003	2333672393	2023/02/26 16:32:54	240.40	241.00	241.90
Falownik	T620400032205003	2333672393	2023/02/26 16:27:49	239.50	240.20	241.70
Falownik	T620400032205003	2333672393	2023/02/26 07:33:01	240.30	241.50	241.30
Falownik	T620400032205003	2333672393	2023/02/26 16:48:09	242.20	241.10	241.10
Falownik	T620400032205003	2333672393	2023/02/26 07:38:06	239.60	241.00	241.10
Falownik	T620400032205003	2333672393	2023/02/26 16:53:14	241.80	240.20	241.00
Falownik	T620400032205003	2333672393	2023/02/26 07:43:14	240.90	240.60	240.90
Falownik	T620400032205003	2333672393	2023/02/26 08:39:59	241.20	240.70	240.80
Falownik	T620400032205003	2333672393	2023/02/26 08:45:04	241.30	241.40	240.70
Falownik	T620400032205003	2333672393	2023/02/26 07:22:51	241.10	241.00	240.70
Falownik	T620400032205003	2333672393	2023/02/26 08:34:50	241.30	238.90	240.70
Falownik	T620400032205003	2333672393	2023/02/26 08:50:14	239.20	238.60	240.70
Falownik	T620400032205003	2333672393	2023/02/26 08:03:48	239.30	239.30	240.60
Falownik	T620400032205003	2333672393	2023/02/26 07:07:36	238.60	239.40	240.30
Falownik	T620400032205003	2333672393	2023/02/26 16:12:33	239.90	238.30	240.20
Falownik	T620400032205003	2333672393	2023/02/26 07:12:41	237.10	237.70	240.20
Falownik	T620400032205003	2333672393	2023/02/26 07:02:29	238.00	237.70	240.00
Falownik	T620400032205003	2333672393	2023/02/26 07:48:22	238.80	240.40	239.90
Falownik	T620400032205003	2333672393	2023/02/26 07:27:56	239.00	238.20	239.60
Falownik	T620400032205003	2333672393	2023/02/26 16:17:38	239.30	239.80	239.40
Falownik	T620400032205003	2333672393	2023/02/26 08:19:15	241.10	239.10	239.40
Falownik	T620400032205003	2333672393	2023/02/26 16:58:20	237.90	237.60	239.30
Falownik	T620400032205003	2333672393	2023/02/26 08:24:26	237.60	237.40	239.30
Falownik	T620400032205003	2333672393	2023/02/26 17:08:30	236.90	237.20	239.20
Falownik	T620400032205003	2333672393	2023/02/26 07:53:34	238.80	239.60	239.10
Falownik	T620400032205003	2333672393	2023/02/26 07:58:39	237.00	238.00	239.00
Falownik	T620400032205003	2333672393	2023/02/26 07:17:46	238.70	237.40	238.60
Falownik	T620400032205003	2333672393	2023/02/26 08:29:37	238.10	238.00	238.10
Falownik	T620400032205003	2333672393	2023/02/26 08:08:59	239.30	238.20	237.90
Falownik	T620400032205003	2333672393	2023/02/26 08:14:04	239.50	237.70	237.70
Falownik	T620400032205003	2333672393	2023/02/26 17:03:25	240.10	239.60	237.50
Falownik	T620400032205003	2333672393	2023/02/26 17:13:35	237.10	238.50	237.20
Falownik	T620400032205003	2333672393	2023/02/26 17:18:40	236.70	235.50	236.30

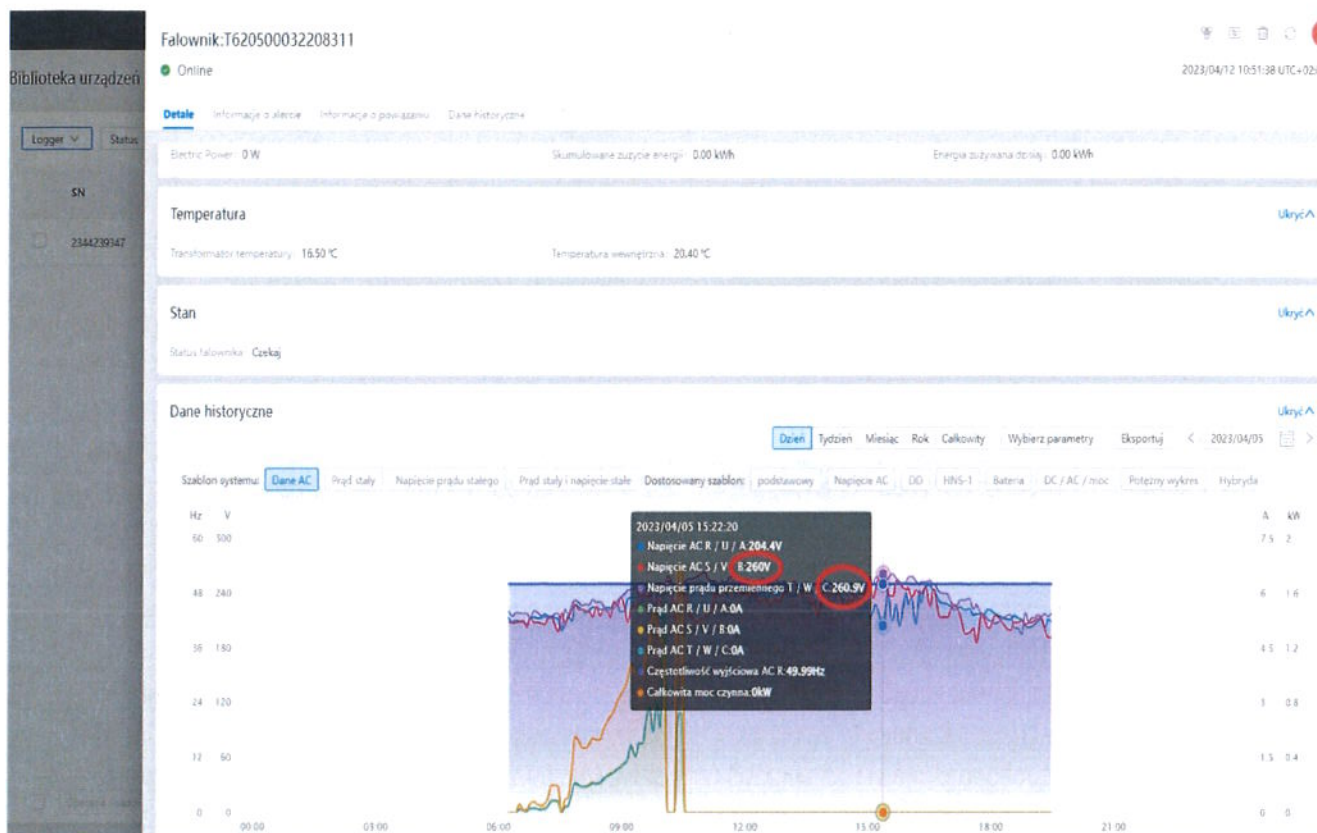
3. PPE – 590243845028307422

Pod tym adresem jest o tyle dziwna sytuacja, że napięcia na fazach są raz bardzo wysokie a raz bardzo niskie.

W tabeli zaznaczono na czerwono przekroczone górne granice normy a na zielono przekroczone dolne granice normy. W obydwu przypadkach inwerter będzie się wyłączał.

Co więcej czasem różnica napięć międzyfazowych wynosi prawie 60V – jest to niedopuszczalne i inwerter przy takich różnicach będzie się wyłączał.

Dane historyczne - zrzut z ekranu z dnia 05.04.2023 r.



Raport dzienny z dnia 05.04.2023 r.

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620500032208311	2344239347	2023/04/05 06:14:44	212.50	208.40	219.90
Falownik	T620500032208311	2344239347	2023/04/05 06:19:55	208.40	207.30	214.80
Falownik	T620500032208311	2344239347	2023/04/05 06:25:03	209.90	207.80	218.50
Falownik	T620500032208311	2344239347	2023/04/05 06:30:10	209.00	209.00	218.00
Falownik	T620500032208311	2344239347	2023/04/05 06:35:18	208.40	209.80	217.50
Falownik	T620500032208311	2344239347	2023/04/05 06:40:23	206.10	202.60	217.80
Falownik	T620500032208311	2344239347	2023/04/05 06:45:29	212.50	213.20	212.40
Falownik	T620500032208311	2344239347	2023/04/05 06:50:56	213.50	207.90	220.50

Falownik	T620500032208311	2344239347	2023/04/05 06:56:12	212.60	208.10	218.90
Falownik	T620500032208311	2344239347	2023/04/05 07:01:17	212.50	206.90	215.20
Falownik	T620500032208311	2344239347	2023/04/05 07:06:22	216.90	205.90	214.10
Falownik	T620500032208311	2344239347	2023/04/05 07:11:27	214.90	212.50	213.10
Falownik	T620500032208311	2344239347	2023/04/05 07:16:33	214.50	214.20	212.70
Falownik	T620500032208311	2344239347	2023/04/05 07:21:38	213.20	205.00	217.10
Falownik	T620500032208311	2344239347	2023/04/05 07:26:43	211.50	198.10	217.70
Falownik	T620500032208311	2344239347	2023/04/05 07:31:48	199.20	218.40	202.00
Falownik	T620500032208311	2344239347	2023/04/05 07:36:53	205.90	207.30	221.90
Falownik	T620500032208311	2344239347	2023/04/05 07:41:58	215.30	213.40	217.30
Falownik	T620500032208311	2344239347	2023/04/05 07:47:04	209.40	221.80	226.90
Falownik	T620500032208311	2344239347	2023/04/05 07:52:09	227.80	227.50	232.30
Falownik	T620500032208311	2344239347	2023/04/05 07:57:14	225.20	221.70	229.60
Falownik	T620500032208311	2344239347	2023/04/05 08:02:22	222.00	222.20	226.50
Falownik	T620500032208311	2344239347	2023/04/05 08:07:27	218.50	220.30	227.90
Falownik	T620500032208311	2344239347	2023/04/05 08:12:35	221.00	219.40	227.30
Falownik	T620500032208311	2344239347	2023/04/05 08:17:42	224.80	214.10	233.10
Falownik	T620500032208311	2344239347	2023/04/05 08:22:47	224.30	225.60	229.70
Falownik	T620500032208311	2344239347	2023/04/05 08:27:52	222.20	215.20	230.80
Falownik	T620500032208311	2344239347	2023/04/05 08:32:57	222.60	222.10	226.50
Falownik	T620500032208311	2344239347	2023/04/05 08:38:02	224.40	222.20	219.50
Falownik	T620500032208311	2344239347	2023/04/05 08:43:07	224.00	214.00	221.90
Falownik	T620500032208311	2344239347	2023/04/05 08:48:12	228.60	231.00	223.40
Falownik	T620500032208311	2344239347	2023/04/05 08:53:18	227.70	226.30	231.00
Falownik	T620500032208311	2344239347	2023/04/05 08:58:26	219.70	235.70	235.10
Falownik	T620500032208311	2344239347	2023/04/05 09:03:31	220.70	225.90	239.00
Falownik	T620500032208311	2344239347	2023/04/05 09:08:39	233.50	207.90	242.60
Falownik	T620500032208311	2344239347	2023/04/05 09:13:44	235.20	225.80	244.20
Falownik	T620500032208311	2344239347	2023/04/05 09:15:45	236.00	226.70	244.40
Falownik	T620500032208311	2344239347	2023/04/05 09:20:56	235.40	224.00	248.90
Falownik	T620500032208311	2344239347	2023/04/05 09:26:05	239.60	238.40	227.70
Falownik	T620500032208311	2344239347	2023/04/05 09:31:19	233.00	238.40	239.80
Falownik	T620500032208311	2344239347	2023/04/05 09:36:24	235.90	236.00	245.40
Falownik	T620500032208311	2344239347	2023/04/05 09:41:32	237.20	239.20	244.60
Falownik	T620500032208311	2344239347	2023/04/05 09:46:40	203.20	227.30	225.50
Falownik	T620500032208311	2344239347	2023/04/05 09:51:45	239.80	235.20	246.10
Falownik	T620500032208311	2344239347	2023/04/05 09:56:50	236.80	230.80	243.30
Falownik	T620500032208311	2344239347	2023/04/05 10:01:55	247.70	249.10	245.40
Falownik	T620500032208311	2344239347	2023/04/05 10:07:00	251.90	253.40	258.80
Falownik	T620500032208311	2344239347	2023/04/05 10:12:05	251.60	249.50	251.30
Falownik	T620500032208311	2344239347	2023/04/05 10:17:11	212.90	215.10	227.30
Falownik	T620500032208311	2344239347	2023/04/05 10:22:16	215.80	238.60	240.10
Falownik	T620500032208311	2344239347	2023/04/05 10:27:21	224.80	239.40	242.00
Falownik	T620500032208311	2344239347	2023/04/05 10:32:27	244.50	244.40	253.90
Falownik	T620500032208311	2344239347	2023/04/05 10:38:00	245.50	215.30	256.10
Falownik	T620500032208311	2344239347	2023/04/05 10:38:32	245.50	215.30	256.10
Falownik	T620500032208311	2344239347	2023/04/05 10:39:04	245.50	215.30	256.10

Falownik	T620500032208311	2344239347	2023/04/05 10:39:36	245.50	215.30	256.10
Falownik	T620500032208311	2344239347	2023/04/05 10:44:37	242.30	211.60	256.50
Falownik	T620500032208311	2344239347	2023/04/05 10:49:49	250.00	209.00	258.90
Falownik	T620500032208311	2344239347	2023/04/05 10:54:53	251.90	212.50	261.60
Falownik	T620500032208311	2344239347	2023/04/05 10:59:58	250.60	210.90	263.20
Falownik	T620500032208311	2344239347	2023/04/05 11:05:03	246.10	225.30	256.90
Falownik	T620500032208311	2344239347	2023/04/05 11:10:09	245.10	219.00	253.20
Falownik	T620500032208311	2344239347	2023/04/05 11:15:14	249.60	240.10	253.30
Falownik	T620500032208311	2344239347	2023/04/05 11:20:19	248.80	239.30	238.70
Falownik	T620500032208311	2344239347	2023/04/05 11:25:24	246.00	241.10	254.20
Falownik	T620500032208311	2344239347	2023/04/05 11:30:29	247.00	240.10	250.80
Falownik	T620500032208311	2344239347	2023/04/05 11:35:34	235.60	244.70	256.40
Falownik	T620500032208311	2344239347	2023/04/05 11:40:40	233.60	241.90	259.10
Falownik	T620500032208311	2344239347	2023/04/05 11:45:45	237.70	243.80	259.20
Falownik	T620500032208311	2344239347	2023/04/05 11:50:56	248.30	242.80	256.00
Falownik	T620500032208311	2344239347	2023/04/05 11:56:05	240.80	238.80	250.80
Falownik	T620500032208311	2344239347	2023/04/05 12:01:10	249.80	242.20	255.80
Falownik	T620500032208311	2344239347	2023/04/05 12:06:15	230.20	235.30	254.30
Falownik	T620500032208311	2344239347	2023/04/05 12:11:22	240.70	247.70	250.30
Falownik	T620500032208311	2344239347	2023/04/05 12:15:03	232.10	239.10	250.30
Falownik	T620500032208311	2344239347	2023/04/05 12:20:13	240.90	230.70	251.30
Falownik	T620500032208311	2344239347	2023/04/05 12:25:24	242.70	234.60	256.20
Falownik	T620500032208311	2344239347	2023/04/05 12:30:53	235.20	233.40	251.20
Falownik	T620500032208311	2344239347	2023/04/05 12:35:58	239.60	227.30	253.00
Falownik	T620500032208311	2344239347	2023/04/05 12:41:06	246.80	234.20	256.20
Falownik	T620500032208311	2344239347	2023/04/05 12:46:11	237.90	232.10	254.40
Falownik	T620500032208311	2344239347	2023/04/05 12:51:20	245.20	232.20	246.30
Falownik	T620500032208311	2344239347	2023/04/05 12:56:24	245.80	240.80	253.40
Falownik	T620500032208311	2344239347	2023/04/05 13:01:29	235.00	242.10	246.00
Falownik	T620500032208311	2344239347	2023/04/05 13:06:34	237.60	251.50	246.40
Falownik	T620500032208311	2344239347	2023/04/05 13:11:39	237.60	253.10	251.30
Falownik	T620500032208311	2344239347	2023/04/05 13:16:44	245.70	243.60	249.40
Falownik	T620500032208311	2344239347	2023/04/05 13:21:50	249.10	242.10	249.40
Falownik	T620500032208311	2344239347	2023/04/05 13:26:55	230.90	234.70	242.60
Falownik	T620500032208311	2344239347	2023/04/05 13:32:00	232.10	236.10	243.20
Falownik	T620500032208311	2344239347	2023/04/05 13:37:05	219.10	228.40	241.80
Falownik	T620500032208311	2344239347	2023/04/05 13:40:33	219.00	231.50	231.40
Falownik	T620500032208311	2344239347	2023/04/05 13:45:49	221.20	215.30	235.90
Falownik	T620500032208311	2344239347	2023/04/05 13:50:56	233.30	232.00	235.80
Falownik	T620500032208311	2344239347	2023/04/05 13:56:01	251.30	245.10	253.50
Falownik	T620500032208311	2344239347	2023/04/05 14:01:10	234.50	237.20	246.70
Falownik	T620500032208311	2344239347	2023/04/05 14:06:32	230.50	239.80	250.40
Falownik	T620500032208311	2344239347	2023/04/05 14:11:37	235.60	239.80	246.90
Falownik	T620500032208311	2344239347	2023/04/05 14:14:53	244.60	241.30	251.20
Falownik	T620500032208311	2344239347	2023/04/05 14:15:25	244.60	241.30	251.20
Falownik	T620500032208311	2344239347	2023/04/05 14:21:06	234.50	232.00	243.60
Falownik	T620500032208311	2344239347	2023/04/05 14:26:12	232.90	226.40	240.00

Falownik	T620500032208311	2344239347	2023/04/05 14:31:17	221.20	234.30	242.20
Falownik	T620500032208311	2344239347	2023/04/05 14:34:47	225.10	231.70	239.60
Falownik	T620500032208311	2344239347	2023/04/05 14:41:03	225.20	236.40	237.10
Falownik	T620500032208311	2344239347	2023/04/05 14:46:11	225.30	233.90	239.50
Falownik	T620500032208311	2344239347	2023/04/05 14:51:17	215.70	234.10	240.20
Falownik	T620500032208311	2344239347	2023/04/05 14:56:20	233.00	249.30	249.30
Falownik	T620500032208311	2344239347	2023/04/05 15:01:53	213.60	251.30	257.90
Falownik	T620500032208311	2344239347	2023/04/05 15:07:31	219.30	234.30	249.50
Falownik	T620500032208311	2344239347	2023/04/05 15:10:29	227.50	243.50	256.10
Falownik	T620500032208311	2344239347	2023/04/05 15:17:11	215.90	258.20	259.80
Falownik	T620500032208311	2344239347	2023/04/05 15:22:20	204.40	260.00	260.90
Falownik	T620500032208311	2344239347	2023/04/05 15:27:25	230.60	251.70	254.80
Falownik	T620500032208311	2344239347	2023/04/05 15:29:04	243.00	238.40	256.00
Falownik	T620500032208311	2344239347	2023/04/05 15:35:57	209.80	236.80	261.20
Falownik	T620500032208311	2344239347	2023/04/05 15:36:32	209.80	236.80	261.20
Falownik	T620500032208311	2344239347	2023/04/05 15:41:40	227.90	254.10	256.20
Falownik	T620500032208311	2344239347	2023/04/05 15:46:45	204.40	250.60	252.10
Falownik	T620500032208311	2344239347	2023/04/05 15:51:53	225.10	245.70	250.60
Falownik	T620500032208311	2344239347	2023/04/05 15:56:58	240.70	243.70	253.40
Falownik	T620500032208311	2344239347	2023/04/05 15:58:29	228.00	246.10	256.90
Falownik	T620500032208311	2344239347	2023/04/05 16:03:59	235.10	235.60	258.50
Falownik	T620500032208311	2344239347	2023/04/05 16:10:40	205.80	243.40	252.50
Falownik	T620500032208311	2344239347	2023/04/05 16:15:55	243.10	239.40	248.80
Falownik	T620500032208311	2344239347	2023/04/05 16:17:34	229.20	239.60	252.20
Falownik	T620500032208311	2344239347	2023/04/05 16:24:20	247.30	246.20	252.30
Falownik	T620500032208311	2344239347	2023/04/05 16:30:45	248.60	225.90	253.40
Falownik	T620500032208311	2344239347	2023/04/05 16:35:01	244.10	244.20	250.10
Falownik	T620500032208311	2344239347	2023/04/05 16:35:46	244.10	244.20	250.10
Falownik	T620500032208311	2344239347	2023/04/05 16:45:16	230.70	213.60	240.70
Falownik	T620500032208311	2344239347	2023/04/05 16:56:18	228.10	213.60	239.10
Falownik	T620500032208311	2344239347	2023/04/05 17:01:44	225.10	223.10	229.90
Falownik	T620500032208311	2344239347	2023/04/05 17:06:58	221.20	227.30	225.00
Falownik	T620500032208311	2344239347	2023/04/05 17:10:02	222.50	225.00	225.30
Falownik	T620500032208311	2344239347	2023/04/05 17:15:05	224.80	214.90	232.20
Falownik	T620500032208311	2344239347	2023/04/05 17:23:01	221.50	195.50	232.80
Falownik	T620500032208311	2344239347	2023/04/05 17:28:57	223.10	197.00	234.00
Falownik	T620500032208311	2344239347	2023/04/05 17:34:50	215.80	201.60	222.20
Falownik	T620500032208311	2344239347	2023/04/05 17:38:22	217.00	185.30	227.60
Falownik	T620500032208311	2344239347	2023/04/05 17:46:47	216.70	217.90	217.00
Falownik	T620500032208311	2344239347	2023/04/05 17:48:15	215.70	215.60	217.20
Falownik	T620500032208311	2344239347	2023/04/05 17:56:24	222.00	201.80	210.10
Falownik	T620500032208311	2344239347	2023/04/05 17:56:56	222.00	201.80	210.10
Falownik	T620500032208311	2344239347	2023/04/05 17:57:28	222.00	201.80	210.10
Falownik	T620500032208311	2344239347	2023/04/05 18:06:09	217.30	215.50	206.80
Falownik	T620500032208311	2344239347	2023/04/05 18:27:20	211.10	199.60	216.10
Falownik	T620500032208311	2344239347	2023/04/05 18:27:52	211.10	199.60	216.10
Falownik	T620500032208311	2344239347	2023/04/05 18:28:24	211.10	199.60	216.10

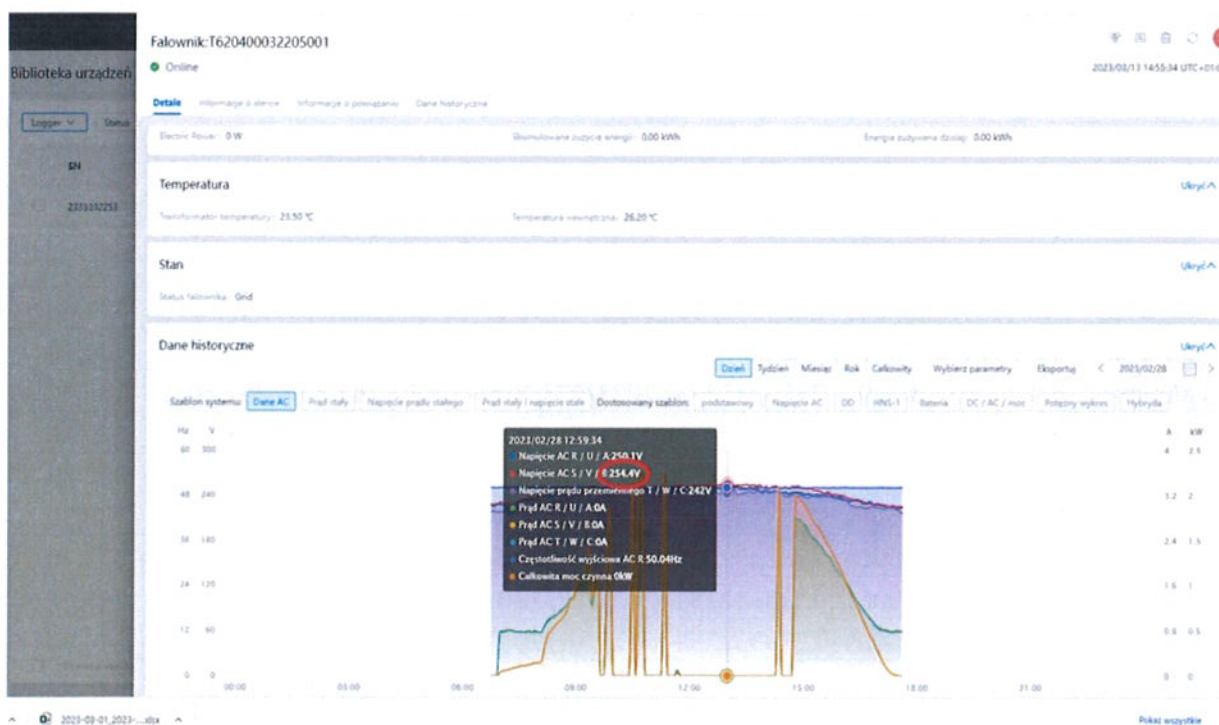
Falownik	T620500032208311	2344239347	2023/04/05 18:34:07	215.20	207.80	201.80
Falownik	T620500032208311	2344239347	2023/04/05 18:39:32	212.40	208.00	201.50
Falownik	T620500032208311	2344239347	2023/04/05 18:44:51	210.90	210.00	195.40
Falownik	T620500032208311	2344239347	2023/04/05 18:50:02	204.50	206.10	217.90
Falownik	T620500032208311	2344239347	2023/04/05 18:55:12	202.50	207.30	208.70
Falownik	T620500032208311	2344239347	2023/04/05 19:00:17	203.70	208.00	212.80
Falownik	T620500032208311	2344239347	2023/04/05 19:03:44	205.50	209.50	212.60
Falownik	T620500032208311	2344239347	2023/04/05 19:08:55	209.20	211.70	215.70
Falownik	T620500032208311	2344239347	2023/04/05 19:14:00	210.60	212.70	214.00
Falownik	T620500032208311	2344239347	2023/04/05 19:19:09	202.20	200.40	217.20
Falownik	T620500032208311	2344239347	2023/04/05 19:24:17	211.00	191.80	214.20
Falownik	T620500032208311	2344239347	2023/04/05 19:28:12	209.00	191.20	217.20

4. PPE – 590243845028584045

Tabele z zaznaczonymi przekroczeniami normy napięcia po stronie AC dzienny z dnia 28-02-2023 i 01-03-2023

Zaznaczone pozycje (kolor czerwony) wskazują odczyty z inwertera przekraczające wartość 253V.

Dane historyczne - zrzut z ekranu z dnia 28.02.2023 r.



Raport z dnia 28.02.2023 r.

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620400032205001	2333332253	2023/02/28 17:36:17	224.00	224.30	215.60
Falownik	T620400032205001	2333332253	2023/02/28 17:31:13	223.20	225.10	219.50
Falownik	T620400032205001	2333332253	2023/02/28 17:26:09	223.20	224.70	222.20
Falownik	T620400032205001	2333332253	2023/02/28 17:21:05	225.10	226.60	223.00

Falownik	T620400032205001	2333332253	2023/02/28 17:16:01	224.20	224.70	223.70
Falownik	T620400032205001	2333332253	2023/02/28 17:10:57	223.20	226.50	223.90
Falownik	T620400032205001	2333332253	2023/02/28 17:05:53	226.20	226.80	221.00
Falownik	T620400032205001	2333332253	2023/02/28 17:00:49	227.50	226.70	223.60
Falownik	T620400032205001	2333332253	2023/02/28 16:55:42	227.40	229.20	223.60
Falownik	T620400032205001	2333332253	2023/02/28 16:50:38	227.90	228.00	224.50
Falownik	T620400032205001	2333332253	2023/02/28 16:45:31	231.50	228.90	225.10
Falownik	T620400032205001	2333332253	2023/02/28 16:40:27	229.00	229.10	222.80
Falownik	T620400032205001	2333332253	2023/02/28 16:35:23	228.50	231.10	222.70
Falownik	T620400032205001	2333332253	2023/02/28 16:30:16	231.80	232.50	224.90
Falownik	T620400032205001	2333332253	2023/02/28 16:25:12	233.80	233.10	223.60
Falownik	T620400032205001	2333332253	2023/02/28 16:20:00	233.70	233.00	225.50
Falownik	T620400032205001	2333332253	2023/02/28 16:14:56	232.30	235.40	226.20
Falownik	T620400032205001	2333332253	2023/02/28 16:09:49	233.20	235.90	232.70
Falownik	T620400032205001	2333332253	2023/02/28 16:04:44	234.90	238.60	233.50
Falownik	T620400032205001	2333332253	2023/02/28 15:59:40	237.10	239.80	233.90
Falownik	T620400032205001	2333332253	2023/02/28 15:54:36	237.20	239.70	235.30
Falownik	T620400032205001	2333332253	2023/02/28 15:49:32	237.60	241.30	235.90
Falownik	T620400032205001	2333332253	2023/02/28 15:44:25	239.00	240.60	237.30
Falownik	T620400032205001	2333332253	2023/02/28 15:39:14	242.80	242.90	238.50
Falownik	T620400032205001	2333332253	2023/02/28 15:38:38	242.80	242.90	238.50
Falownik	T620400032205001	2333332253	2023/02/28 15:37:08	240.30	244.10	237.90
Falownik	T620400032205001	2333332253	2023/02/28 15:31:57	241.70	242.40	238.80
Falownik	T620400032205001	2333332253	2023/02/28 15:26:50	240.20	244.60	238.30
Falownik	T620400032205001	2333332253	2023/02/28 15:21:42	241.00	246.20	237.70
Falownik	T620400032205001	2333332253	2023/02/28 15:16:35	239.90	246.70	237.80
Falownik	T620400032205001	2333332253	2023/02/28 15:11:31	240.60	249.50	237.80
Falownik	T620400032205001	2333332253	2023/02/28 15:06:23	241.70	249.10	236.30
Falownik	T620400032205001	2333332253	2023/02/28 15:01:17	240.70	249.50	237.40
Falownik	T620400032205001	2333332253	2023/02/28 14:56:12	243.40	249.60	240.50
Falownik	T620400032205001	2333332253	2023/02/28 14:51:09	243.30	251.80	238.90
Falownik	T620400032205001	2333332253	2023/02/28 14:46:04	243.40	251.30	239.00
Falownik	T620400032205001	2333332253	2023/02/28 14:41:00	243.10	251.40	239.80
Falownik	T620400032205001	2333332253	2023/02/28 14:35:56	241.70	249.20	238.30
Falownik	T620400032205001	2333332253	2023/02/28 14:30:47	244.10	250.80	238.20
Falownik	T620400032205001	2333332253	2023/02/28 14:25:43	243.00	249.90	243.60
Falownik	T620400032205001	2333332253	2023/02/28 14:20:39	244.50	250.20	244.80
Falownik	T620400032205001	2333332253	2023/02/28 14:15:35	245.50	251.50	244.80
Falownik	T620400032205001	2333332253	2023/02/28 14:10:31	244.90	251.20	244.70
Falownik	T620400032205001	2333332253	2023/02/28 14:05:26	243.50	249.10	245.70
Falownik	T620400032205001	2333332253	2023/02/28 14:00:22	246.80	251.80	247.50
Falownik	T620400032205001	2333332253	2023/02/28 13:55:18	243.70	250.00	245.60
Falownik	T620400032205001	2333332253	2023/02/28 13:50:14	246.30	253.30	245.00
Falownik	T620400032205001	2333332253	2023/02/28 13:45:10	248.30	251.80	245.40
Falownik	T620400032205001	2333332253	2023/02/28 13:40:06	248.40	253.30	242.80
Falownik	T620400032205001	2333332253	2023/02/28 13:35:02	249.30	252.70	244.70
Falownik	T620400032205001	2333332253	2023/02/28 13:29:58	248.70	253.90	243.90
Falownik	T620400032205001	2333332253	2023/02/28 13:24:54	248.50	253.40	242.40

Falownik	T620400032205001	2333332253	2023/02/28 13:19:51	248.50	252.60	241.50
Falownik	T620400032205001	2333332253	2023/02/28 13:14:46	251.10	253.30	240.50
Falownik	T620400032205001	2333332253	2023/02/28 13:09:42	251.40	252.00	248.40
Falownik	T620400032205001	2333332253	2023/02/28 13:04:38	250.70	253.40	240.10
Falownik	T620400032205001	2333332253	2023/02/28 12:59:34	250.10	254.40	242.00
Falownik	T620400032205001	2333332253	2023/02/28 12:54:30	247.40	253.30	242.30
Falownik	T620400032205001	2333332253	2023/02/28 12:49:19	249.00	253.50	241.60
Falownik	T620400032205001	2333332253	2023/02/28 12:44:14	249.50	253.00	242.00
Falownik	T620400032205001	2333332253	2023/02/28 12:39:04	246.60	252.60	246.00
Falownik	T620400032205001	2333332253	2023/02/28 12:38:31	246.60	252.60	246.00
Falownik	T620400032205001	2333332253	2023/02/28 12:37:05	250.70	252.40	242.30
Falownik	T620400032205001	2333332253	2023/02/28 12:32:01	250.00	251.90	243.90
Falownik	T620400032205001	2333332253	2023/02/28 12:26:58	249.90	252.60	243.00
Falownik	T620400032205001	2333332253	2023/02/28 12:21:53	249.70	253.20	242.30
Falownik	T620400032205001	2333332253	2023/02/28 12:16:49	252.60	251.70	241.60
Falownik	T620400032205001	2333332253	2023/02/28 12:11:45	249.50	252.00	247.00
Falownik	T620400032205001	2333332253	2023/02/28 12:06:41	250.60	253.20	247.00
Falownik	T620400032205001	2333332253	2023/02/28 12:01:37	249.60	251.40	248.50
Falownik	T620400032205001	2333332253	2023/02/28 11:56:33	250.50	251.20	248.70
Falownik	T620400032205001	2333332253	2023/02/28 11:51:29	248.40	251.50	249.00
Falownik	T620400032205001	2333332253	2023/02/28 11:46:25	246.80	253.10	246.50
Falownik	T620400032205001	2333332253	2023/02/28 11:41:21	245.20	251.80	245.70
Falownik	T620400032205001	2333332253	2023/02/28 11:36:12	248.00	251.80	245.10
Falownik	T620400032205001	2333332253	2023/02/28 11:35:40	248.00	251.80	245.10
Falownik	T620400032205001	2333332253	2023/02/28 11:30:36	251.60	247.10	242.60
Falownik	T620400032205001	2333332253	2023/02/28 11:25:33	246.80	251.40	243.50
Falownik	T620400032205001	2333332253	2023/02/28 11:20:28	247.70	251.70	246.30
Falownik	T620400032205001	2333332253	2023/02/28 11:15:24	249.50	251.60	243.40
Falownik	T620400032205001	2333332253	2023/02/28 11:10:20	249.60	249.80	241.20
Falownik	T620400032205001	2333332253	2023/02/28 11:05:16	248.10	251.00	239.70
Falownik	T620400032205001	2333332253	2023/02/28 11:00:09	249.00	251.20	241.70
Falownik	T620400032205001	2333332253	2023/02/28 10:55:05	248.70	251.80	240.60
Falownik	T620400032205001	2333332253	2023/02/28 10:50:01	250.00	250.20	246.50
Falownik	T620400032205001	2333332253	2023/02/28 10:44:57	249.00	251.00	246.20
Falownik	T620400032205001	2333332253	2023/02/28 10:39:53	251.10	251.40	244.90
Falownik	T620400032205001	2333332253	2023/02/28 10:34:49	248.90	251.80	244.00
Falownik	T620400032205001	2333332253	2023/02/28 10:29:45	250.60	250.90	246.70
Falownik	T620400032205001	2333332253	2023/02/28 10:24:41	248.90	251.70	246.00
Falownik	T620400032205001	2333332253	2023/02/28 10:19:38	247.70	248.70	244.30
Falownik	T620400032205001	2333332253	2023/02/28 10:14:33	248.70	251.20	243.70
Falownik	T620400032205001	2333332253	2023/02/28 10:09:29	248.00	250.60	242.30
Falownik	T620400032205001	2333332253	2023/02/28 10:04:25	248.70	251.50	243.10
Falownik	T620400032205001	2333332253	2023/02/28 09:59:21	249.20	251.10	242.50
Falownik	T620400032205001	2333332253	2023/02/28 09:54:17	246.60	251.20	240.10
Falownik	T620400032205001	2333332253	2023/02/28 09:49:13	248.60	251.20	239.90
Falownik	T620400032205001	2333332253	2023/02/28 09:44:08	245.50	249.70	240.00
Falownik	T620400032205001	2333332253	2023/02/28 09:38:57	249.10	247.70	237.90
Falownik	T620400032205001	2333332253	2023/02/28 09:36:28	248.80	249.90	238.80

Falownik	T620400032205001	2333332253	2023/02/28 09:31:24	248.90	250.90	233.20
Falownik	T620400032205001	2333332253	2023/02/28 09:26:20	250.40	250.80	232.70
Falownik	T620400032205001	2333332253	2023/02/28 09:21:16	248.50	251.30	236.10
Falownik	T620400032205001	2333332253	2023/02/28 09:16:13	246.00	246.40	244.00
Falownik	T620400032205001	2333332253	2023/02/28 09:11:08	244.50	246.90	241.20
Falownik	T620400032205001	2333332253	2023/02/28 09:06:04	243.70	246.60	242.00
Falownik	T620400032205001	2333332253	2023/02/28 09:01:00	243.70	246.30	240.10
Falownik	T620400032205001	2333332253	2023/02/28 08:55:57	244.00	246.40	237.10
Falownik	T620400032205001	2333332253	2023/02/28 08:50:52	243.30	244.20	238.50
Falownik	T620400032205001	2333332253	2023/02/28 08:45:48	242.60	245.10	236.70
Falownik	T620400032205001	2333332253	2023/02/28 08:40:44	240.40	242.30	231.70
Falownik	T620400032205001	2333332253	2023/02/28 08:35:40	240.80	242.40	231.90
Falownik	T620400032205001	2333332253	2023/02/28 08:30:36	241.10	243.70	232.50
Falownik	T620400032205001	2333332253	2023/02/28 08:25:33	241.60	242.40	230.30
Falownik	T620400032205001	2333332253	2023/02/28 08:20:27	238.00	242.70	228.90
Falownik	T620400032205001	2333332253	2023/02/28 08:15:23	240.00	242.50	228.50
Falownik	T620400032205001	2333332253	2023/02/28 08:10:19	239.10	240.10	226.80
Falownik	T620400032205001	2333332253	2023/02/28 08:05:15	240.00	240.00	227.00
Falownik	T620400032205001	2333332253	2023/02/28 08:00:11	240.00	237.60	227.10
Falownik	T620400032205001	2333332253	2023/02/28 07:55:07	233.00	236.00	225.40
Falownik	T620400032205001	2333332253	2023/02/28 07:50:03	235.10	236.10	224.70
Falownik	T620400032205001	2333332253	2023/02/28 07:44:59	232.70	236.10	223.00
Falownik	T620400032205001	2333332253	2023/02/28 07:39:55	233.40	234.30	220.10
Falownik	T620400032205001	2333332253	2023/02/28 07:34:51	233.90	234.10	220.20
Falownik	T620400032205001	2333332253	2023/02/28 07:29:47	231.80	233.00	228.10
Falownik	T620400032205001	2333332253	2023/02/28 07:24:43	230.10	229.60	228.90
Falownik	T620400032205001	2333332253	2023/02/28 07:19:39	217.40	227.30	227.00
Falownik	T620400032205001	2333332253	2023/02/28 07:14:35	214.80	226.20	222.60
Falownik	T620400032205001	2333332253	2023/02/28 07:09:32	223.50	229.80	227.20
Falownik	T620400032205001	2333332253	2023/02/28 07:04:27	226.60	229.60	217.00
Falownik	T620400032205001	2333332253	2023/02/28 06:59:23	227.70	230.50	217.40
Falownik	T620400032205001	2333332253	2023/02/28 06:54:19	227.90	228.20	217.20
Falownik	T620400032205001	2333332253	2023/02/28 06:49:15	225.40	227.40	218.50
Falownik	T620400032205001	2333332253	2023/02/28 06:44:10	226.90	227.40	217.40

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Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620400032205001	2333332253	2023/03/01 06:45:53	227.80	227.90	218.40
Falownik	T620400032205001	2333332253	2023/03/01 06:50:58	229.30	229.80	222.80
Falownik	T620400032205001	2333332253	2023/03/01 06:56:02	226.30	229.50	222.60
Falownik	T620400032205001	2333332253	2023/03/01 07:01:06	227.80	228.80	226.60
Falownik	T620400032205001	2333332253	2023/03/01 07:06:10	229.80	230.00	227.90
Falownik	T620400032205001	2333332253	2023/03/01 07:11:14	230.00	229.30	227.80
Falownik	T620400032205001	2333332253	2023/03/01 07:16:17	229.80	229.00	228.00

Falownik	T620400032205001	2333332253	2023/03/01 07:21:22	231.60	230.40	223.90
Falownik	T620400032205001	2333332253	2023/03/01 07:26:26	233.30	231.50	220.50
Falownik	T620400032205001	2333332253	2023/03/01 07:31:30	235.20	234.00	218.90
Falownik	T620400032205001	2333332253	2023/03/01 07:36:34	233.80	234.10	220.70
Falownik	T620400032205001	2333332253	2023/03/01 07:41:38	232.30	232.90	216.70
Falownik	T620400032205001	2333332253	2023/03/01 07:46:42	231.80	233.20	223.90
Falownik	T620400032205001	2333332253	2023/03/01 07:51:46	233.50	234.50	224.80
Falownik	T620400032205001	2333332253	2023/03/01 07:56:50	233.80	234.30	224.70
Falownik	T620400032205001	2333332253	2023/03/01 08:01:54	235.60	235.30	227.10
Falownik	T620400032205001	2333332253	2023/03/01 08:06:58	233.10	235.10	228.90
Falownik	T620400032205001	2333332253	2023/03/01 08:12:02	234.10	236.60	229.80
Falownik	T620400032205001	2333332253	2023/03/01 08:17:06	236.60	238.10	235.30
Falownik	T620400032205001	2333332253	2023/03/01 08:22:10	236.90	239.30	236.00
Falownik	T620400032205001	2333332253	2023/03/01 08:27:14	237.70	240.20	234.30
Falownik	T620400032205001	2333332253	2023/03/01 08:32:18	240.00	241.10	235.30
Falownik	T620400032205001	2333332253	2023/03/01 08:37:22	241.50	239.70	240.10
Falownik	T620400032205001	2333332253	2023/03/01 08:42:26	239.50	241.40	239.20
Falownik	T620400032205001	2333332253	2023/03/01 08:47:30	241.80	242.80	234.80
Falownik	T620400032205001	2333332253	2023/03/01 08:52:34	243.90	244.50	234.80
Falownik	T620400032205001	2333332253	2023/03/01 08:57:42	247.90	244.00	237.20
Falownik	T620400032205001	2333332253	2023/03/01 09:02:52	246.50	247.60	237.20
Falownik	T620400032205001	2333332253	2023/03/01 09:07:56	245.60	246.90	238.30
Falownik	T620400032205001	2333332253	2023/03/01 09:13:00	246.40	246.90	241.90
Falownik	T620400032205001	2333332253	2023/03/01 09:18:04	246.50	248.90	235.60
Falownik	T620400032205001	2333332253	2023/03/01 09:23:08	247.60	249.70	237.00
Falownik	T620400032205001	2333332253	2023/03/01 09:28:12	249.00	249.00	237.70
Falownik	T620400032205001	2333332253	2023/03/01 09:33:16	249.00	249.90	239.60
Falownik	T620400032205001	2333332253	2023/03/01 09:38:20	250.00	245.10	247.20
Falownik	T620400032205001	2333332253	2023/03/01 09:40:16	246.60	252.00	245.40
Falownik	T620400032205001	2333332253	2023/03/01 09:40:49	246.60	252.00	245.40
Falownik	T620400032205001	2333332253	2023/03/01 09:46:00	246.80	252.20	241.50
Falownik	T620400032205001	2333332253	2023/03/01 09:51:05	248.90	252.40	241.10
Falownik	T620400032205001	2333332253	2023/03/01 09:56:09	249.00	251.40	241.80
Falownik	T620400032205001	2333332253	2023/03/01 10:01:13	247.40	251.40	243.00
Falownik	T620400032205001	2333332253	2023/03/01 10:06:17	247.90	250.80	243.50
Falownik	T620400032205001	2333332253	2023/03/01 10:11:21	249.10	253.10	240.50
Falownik	T620400032205001	2333332253	2023/03/01 10:16:25	247.00	251.00	245.50
Falownik	T620400032205001	2333332253	2023/03/01 10:21:29	247.90	252.90	244.40
Falownik	T620400032205001	2333332253	2023/03/01 10:26:33	250.20	251.00	244.50
Falownik	T620400032205001	2333332253	2023/03/01 10:31:37	248.80	251.20	245.30
Falownik	T620400032205001	2333332253	2023/03/01 10:36:41	247.60	251.70	246.30
Falownik	T620400032205001	2333332253	2023/03/01 10:41:45	246.50	252.10	246.10
Falownik	T620400032205001	2333332253	2023/03/01 10:46:49	245.90	250.80	246.00
Falownik	T620400032205001	2333332253	2023/03/01 10:51:53	249.10	251.00	248.50
Falownik	T620400032205001	2333332253	2023/03/01 10:56:57	247.80	251.10	246.30
Falownik	T620400032205001	2333332253	2023/03/01 11:02:01	249.40	251.00	246.00
Falownik	T620400032205001	2333332253	2023/03/01 11:07:05	246.10	251.30	243.10
Falownik	T620400032205001	2333332253	2023/03/01 11:12:09	246.20	250.90	246.40

Falownik	T620400032205001	2333332253	2023/03/01 11:17:09	249.00	252.30	246.50
Falownik	T620400032205001	2333332253	2023/03/01 11:22:17	246.30	250.10	245.70
Falownik	T620400032205001	2333332253	2023/03/01 11:27:21	248.20	252.80	247.10
Falownik	T620400032205001	2333332253	2023/03/01 11:32:25	250.20	251.30	247.30
Falownik	T620400032205001	2333332253	2023/03/01 11:37:34	249.70	250.60	247.20
Falownik	T620400032205001	2333332253	2023/03/01 11:42:39	251.30	249.30	245.40
Falownik	T620400032205001	2333332253	2023/03/01 11:47:43	248.10	251.90	245.10
Falownik	T620400032205001	2333332253	2023/03/01 11:52:47	252.20	248.40	245.00
Falownik	T620400032205001	2333332253	2023/03/01 11:57:51	250.30	252.40	245.80
Falownik	T620400032205001	2333332253	2023/03/01 12:02:55	250.30	252.30	245.10
Falownik	T620400032205001	2333332253	2023/03/01 12:07:59	251.50	253.40	239.50
Falownik	T620400032205001	2333332253	2023/03/01 12:13:03	249.50	253.80	243.90
Falownik	T620400032205001	2333332253	2023/03/01 12:18:07	249.20	251.70	243.90
Falownik	T620400032205001	2333332253	2023/03/01 12:23:11	250.10	251.90	248.80
Falownik	T620400032205001	2333332253	2023/03/01 12:28:15	248.70	252.00	244.60
Falownik	T620400032205001	2333332253	2023/03/01 12:33:19	248.40	251.60	247.60
Falownik	T620400032205001	2333332253	2023/03/01 12:38:23	249.60	253.10	246.40
Falownik	T620400032205001	2333332253	2023/03/01 12:40:23	249.40	251.10	246.00
Falownik	T620400032205001	2333332253	2023/03/01 12:40:57	249.40	251.10	246.00
Falownik	T620400032205001	2333332253	2023/03/01 12:46:08	251.00	252.10	246.40
Falownik	T620400032205001	2333332253	2023/03/01 12:51:13	250.90	253.30	245.70
Falownik	T620400032205001	2333332253	2023/03/01 12:56:17	250.70	253.30	248.00
Falownik	T620400032205001	2333332253	2023/03/01 13:01:21	251.60	252.60	248.20
Falownik	T620400032205001	2333332253	2023/03/01 13:06:25	250.70	246.90	244.00
Falownik	T620400032205001	2333332253	2023/03/01 13:11:29	249.90	251.60	245.40
Falownik	T620400032205001	2333332253	2023/03/01 13:16:32	248.90	251.20	247.90
Falownik	T620400032205001	2333332253	2023/03/01 13:21:37	248.30	253.10	245.90
Falownik	T620400032205001	2333332253	2023/03/01 13:26:41	249.00	252.40	242.70
Falownik	T620400032205001	2333332253	2023/03/01 13:31:45	248.60	253.30	242.90
Falownik	T620400032205001	2333332253	2023/03/01 13:36:49	248.40	253.10	243.40
Falownik	T620400032205001	2333332253	2023/03/01 13:41:53	247.50	252.20	244.10
Falownik	T620400032205001	2333332253	2023/03/01 13:46:57	247.10	252.00	243.80
Falownik	T620400032205001	2333332253	2023/03/01 13:52:01	246.40	251.70	242.20
Falownik	T620400032205001	2333332253	2023/03/01 13:57:05	247.30	252.90	245.50
Falownik	T620400032205001	2333332253	2023/03/01 14:02:09	244.80	251.30	244.70
Falownik	T620400032205001	2333332253	2023/03/01 14:07:13	245.80	250.70	247.20
Falownik	T620400032205001	2333332253	2023/03/01 14:12:17	245.80	250.30	245.80
Falownik	T620400032205001	2333332253	2023/03/01 14:17:21	246.80	250.70	243.90
Falownik	T620400032205001	2333332253	2023/03/01 14:22:25	244.40	251.70	244.40
Falownik	T620400032205001	2333332253	2023/03/01 14:27:29	245.40	250.60	246.90
Falownik	T620400032205001	2333332253	2023/03/01 14:32:33	244.70	251.60	243.60
Falownik	T620400032205001	2333332253	2023/03/01 14:37:37	245.80	251.70	246.00
Falownik	T620400032205001	2333332253	2023/03/01 14:42:41	246.10	250.50	244.60
Falownik	T620400032205001	2333332253	2023/03/01 14:47:45	245.10	249.60	244.20
Falownik	T620400032205001	2333332253	2023/03/01 14:52:49	241.80	249.40	244.80
Falownik	T620400032205001	2333332253	2023/03/01 14:57:53	243.30	250.60	243.90
Falownik	T620400032205001	2333332253	2023/03/01 15:02:57	243.50	249.20	242.80
Falownik	T620400032205001	2333332253	2023/03/01 15:08:01	247.00	249.30	241.00

Falownik	T620400032205001	2333332253	2023/03/01 15:13:05	245.50	249.40	239.60
Falownik	T620400032205001	2333332253	2023/03/01 15:18:09	244.30	247.90	238.90
Falownik	T620400032205001	2333332253	2023/03/01 15:23:13	242.70	246.20	237.90
Falownik	T620400032205001	2333332253	2023/03/01 15:28:17	240.70	243.80	236.30
Falownik	T620400032205001	2333332253	2023/03/01 15:33:21	241.60	244.90	235.90
Falownik	T620400032205001	2333332253	2023/03/01 15:38:25	240.40	244.70	235.90
Falownik	T620400032205001	2333332253	2023/03/01 15:40:30	240.50	242.30	235.30
Falownik	T620400032205001	2333332253	2023/03/01 15:41:03	240.50	242.30	235.30
Falownik	T620400032205001	2333332253	2023/03/01 15:46:14	238.80	242.70	233.70
Falownik	T620400032205001	2333332253	2023/03/01 15:51:22	240.10	240.40	234.60
Falownik	T620400032205001	2333332253	2023/03/01 15:56:25	237.10	240.30	236.10
Falownik	T620400032205001	2333332253	2023/03/01 16:01:30	235.80	238.90	232.10
Falownik	T620400032205001	2333332253	2023/03/01 16:06:35	234.10	238.80	231.90
Falownik	T620400032205001	2333332253	2023/03/01 16:11:39	232.40	238.10	232.00
Falownik	T620400032205001	2333332253	2023/03/01 16:16:43	231.40	235.30	232.00
Falownik	T620400032205001	2333332253	2023/03/01 16:21:47	231.20	233.70	231.30
Falownik	T620400032205001	2333332253	2023/03/01 16:26:51	230.30	233.80	228.20
Falownik	T620400032205001	2333332253	2023/03/01 16:31:55	229.20	230.80	226.40
Falownik	T620400032205001	2333332253	2023/03/01 16:36:59	226.60	230.80	226.80
Falownik	T620400032205001	2333332253	2023/03/01 16:42:03	226.00	228.00	225.70
Falownik	T620400032205001	2333332253	2023/03/01 16:47:07	227.30	227.80	220.80
Falownik	T620400032205001	2333332253	2023/03/01 16:52:11	227.40	230.80	222.90
Falownik	T620400032205001	2333332253	2023/03/01 16:57:15	228.40	233.20	225.10
Falownik	T620400032205001	2333332253	2023/03/01 17:02:19	230.60	227.90	222.60
Falownik	T620400032205001	2333332253	2023/03/01 17:07:23	228.30	231.20	219.00
Falownik	T620400032205001	2333332253	2023/03/01 17:12:27	228.90	230.60	216.30
Falownik	T620400032205001	2333332253	2023/03/01 17:17:31	228.10	228.50	216.00
Falownik	T620400032205001	2333332253	2023/03/01 17:22:35	225.20	227.80	224.80
Falownik	T620400032205001	2333332253	2023/03/01 17:27:39	222.70	228.30	220.30
Falownik	T620400032205001	2333332253	2023/03/01 17:32:43	224.20	227.10	219.10

5. PPE – 590243845028374646

Tabele z zaznaczonymi przekroczeniami normy napięcia po stronie AC dzienny z dnia 16-02-2023 i 01-03-2023

Zaznaczone pozycje (kolor czerwony) wskazują odczyty z inwertera przekraczające wartość 253V. Należy nadmienić, że po przekroczeniu tej wartości progowej inwerter się wyłącza i podejmuje pracę ponownie przy wykryciu prawidłowych parametrów prądu. **Pozycje zaznaczone kolorem fioletowym wskazują krytyczne wartości napięcia dochodzące nawet do 260,10V (2023/02/16 12:47:09)!!! Jest to sytuacja niedopuszczalna i należy natychmiast podjąć działania zmierzające do redukcji tak wysokich parametrów napięcia z sieci.**

Raport dzienny z dnia 16.02.2023 r.

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620500032208313	2344669397	2023/02/16 07:04:19	236.90	232.90	234.00
Falownik	T620500032208313	2344669397	2023/02/16 07:04:45	236.90	232.90	234.00

Falownik	T620500032208313	2344669397	2023/02/16 07:09:56	233.60	230.20	230.20
Falownik	T620500032208313	2344669397	2023/02/16 07:15:01	231.60	233.00	232.90
Falownik	T620500032208313	2344669397	2023/02/16 07:20:05	235.30	226.70	233.10
Falownik	T620500032208313	2344669397	2023/02/16 07:25:09	236.40	234.90	221.50
Falownik	T620500032208313	2344669397	2023/02/16 07:30:13	234.70	233.20	228.00
Falownik	T620500032208313	2344669397	2023/02/16 07:35:17	232.50	231.20	226.40
Falownik	T620500032208313	2344669397	2023/02/16 07:40:21	236.50	232.70	215.00
Falownik	T620500032208313	2344669397	2023/02/16 07:45:26	235.80	234.20	230.60
Falownik	T620500032208313	2344669397	2023/02/16 07:50:29	238.90	237.90	233.00
Falownik	T620500032208313	2344669397	2023/02/16 07:55:33	238.60	237.10	235.80
Falownik	T620500032208313	2344669397	2023/02/16 08:00:37	236.20	232.40	232.90
Falownik	T620500032208313	2344669397	2023/02/16 08:05:41	236.80	233.90	233.50
Falownik	T620500032208313	2344669397	2023/02/16 08:10:45	238.80	232.90	230.90
Falownik	T620500032208313	2344669397	2023/02/16 08:15:49	236.80	232.20	230.70
Falownik	T620500032208313	2344669397	2023/02/16 08:20:53	238.80	236.60	232.90
Falownik	T620500032208313	2344669397	2023/02/16 08:25:57	239.90	238.80	236.50
Falownik	T620500032208313	2344669397	2023/02/16 08:31:01	240.80	237.00	234.50
Falownik	T620500032208313	2344669397	2023/02/16 08:36:05	238.20	237.20	233.50
Falownik	T620500032208313	2344669397	2023/02/16 08:41:09	241.20	238.70	235.00
Falownik	T620500032208313	2344669397	2023/02/16 08:46:13	240.30	236.80	233.50
Falownik	T620500032208313	2344669397	2023/02/16 08:51:17	242.00	238.40	236.80
Falownik	T620500032208313	2344669397	2023/02/16 08:56:21	244.90	243.60	240.20
Falownik	T620500032208313	2344669397	2023/02/16 09:01:25	247.10	246.80	244.10
Falownik	T620500032208313	2344669397	2023/02/16 09:06:29	246.90	244.30	241.20
Falownik	T620500032208313	2344669397	2023/02/16 09:11:33	245.20	242.90	243.10
Falownik	T620500032208313	2344669397	2023/02/16 09:16:37	247.40	247.30	244.50
Falownik	T620500032208313	2344669397	2023/02/16 09:21:41	250.00	249.90	244.90
Falownik	T620500032208313	2344669397	2023/02/16 09:26:45	251.40	251.00	248.90
Falownik	T620500032208313	2344669397	2023/02/16 09:31:49	253.20	250.90	249.10
Falownik	T620500032208313	2344669397	2023/02/16 09:36:53	247.60	249.50	248.30
Falownik	T620500032208313	2344669397	2023/02/16 09:41:57	254.20	252.70	249.30
Falownik	T620500032208313	2344669397	2023/02/16 09:47:01	253.50	252.40	247.60
Falownik	T620500032208313	2344669397	2023/02/16 09:52:05	252.50	249.10	245.60
Falownik	T620500032208313	2344669397	2023/02/16 09:57:09	252.30	248.90	245.50
Falownik	T620500032208313	2344669397	2023/02/16 10:02:14	254.40	251.10	248.60
Falownik	T620500032208313	2344669397	2023/02/16 10:04:20	251.90	250.40	247.30
Falownik	T620500032208313	2344669397	2023/02/16 10:04:53	251.90	250.40	247.30
Falownik	T620500032208313	2344669397	2023/02/16 10:10:04	251.30	251.90	247.90
Falownik	T620500032208313	2344669397	2023/02/16 10:15:09	253.50	251.10	250.70
Falownik	T620500032208313	2344669397	2023/02/16 10:20:13	246.30	253.60	250.80
Falownik	T620500032208313	2344669397	2023/02/16 10:25:17	253.50	251.70	250.00
Falownik	T620500032208313	2344669397	2023/02/16 10:30:21	255.50	254.80	250.50
Falownik	T620500032208313	2344669397	2023/02/16 10:35:25	255.50	255.80	252.10
Falownik	T620500032208313	2344669397	2023/02/16 10:40:29	255.50	253.30	250.70
Falownik	T620500032208313	2344669397	2023/02/16 10:45:33	255.50	251.80	250.80
Falownik	T620500032208313	2344669397	2023/02/16 10:50:37	256.00	255.20	253.80
Falownik	T620500032208313	2344669397	2023/02/16 10:55:41	255.60	253.80	251.80
Falownik	T620500032208313	2344669397	2023/02/16 11:00:45	257.40	256.40	253.40

Falownik	T620500032208313	2344669397	2023/02/16 11:05:49	255.40	252.40	252.00
Falownik	T620500032208313	2344669397	2023/02/16 11:10:53	254.80	254.90	253.60
Falownik	T620500032208313	2344669397	2023/02/16 11:15:57	253.50	253.20	250.10
Falownik	T620500032208313	2344669397	2023/02/16 11:21:01	254.80	255.90	252.80
Falownik	T620500032208313	2344669397	2023/02/16 11:26:05	257.10	256.00	252.70
Falownik	T620500032208313	2344669397	2023/02/16 11:31:09	255.30	253.60	251.70
Falownik	T620500032208313	2344669397	2023/02/16 11:36:13	256.60	254.70	250.20
Falownik	T620500032208313	2344669397	2023/02/16 11:41:17	254.90	251.60	247.60
Falownik	T620500032208313	2344669397	2023/02/16 11:46:21	256.90	254.40	250.50
Falownik	T620500032208313	2344669397	2023/02/16 11:51:25	256.90	252.70	249.50
Falownik	T620500032208313	2344669397	2023/02/16 11:56:29	257.00	255.70	251.80
Falownik	T620500032208313	2344669397	2023/02/16 12:01:33	255.80	255.90	250.70
Falownik	T620500032208313	2344669397	2023/02/16 12:06:37	251.70	251.90	250.80
Falownik	T620500032208313	2344669397	2023/02/16 12:11:41	256.30	252.00	251.10
Falownik	T620500032208313	2344669397	2023/02/16 12:16:45	255.40	253.40	250.50
Falownik	T620500032208313	2344669397	2023/02/16 12:21:49	254.00	253.00	247.20
Falownik	T620500032208313	2344669397	2023/02/16 12:26:53	254.40	253.10	248.70
Falownik	T620500032208313	2344669397	2023/02/16 12:31:57	255.60	255.30	250.90
Falownik	T620500032208313	2344669397	2023/02/16 12:37:01	258.10	258.80	253.50
Falownik	T620500032208313	2344669397	2023/02/16 12:42:05	259.80	258.40	252.70
Falownik	T620500032208313	2344669397	2023/02/16 12:47:09	260.60	258.80	254.70
Falownik	T620500032208313	2344669397	2023/02/16 12:52:13	255.50	255.10	252.20
Falownik	T620500032208313	2344669397	2023/02/16 12:57:18	257.90	257.90	253.60
Falownik	T620500032208313	2344669397	2023/02/16 13:02:23	256.80	254.20	250.90
Falownik	T620500032208313	2344669397	2023/02/16 13:04:29	258.90	258.00	254.30
Falownik	T620500032208313	2344669397	2023/02/16 13:05:02	258.90	258.00	254.30
Falownik	T620500032208313	2344669397	2023/02/16 13:10:13	256.30	256.70	249.70
Falownik	T620500032208313	2344669397	2023/02/16 13:15:18	253.90	254.20	249.90
Falownik	T620500032208313	2344669397	2023/02/16 13:20:22	251.40	248.20	246.70
Falownik	T620500032208313	2344669397	2023/02/16 13:25:26	251.70	249.50	248.60
Falownik	T620500032208313	2344669397	2023/02/16 13:30:30	253.80	251.60	251.00
Falownik	T620500032208313	2344669397	2023/02/16 13:35:34	254.40	252.30	251.90
Falownik	T620500032208313	2344669397	2023/02/16 13:40:38	249.50	248.40	247.40
Falownik	T620500032208313	2344669397	2023/02/16 13:45:42	252.00	250.60	245.00
Falownik	T620500032208313	2344669397	2023/02/16 13:50:46	251.80	253.80	251.90
Falownik	T620500032208313	2344669397	2023/02/16 13:55:50	254.60	253.50	250.10
Falownik	T620500032208313	2344669397	2023/02/16 14:00:54	249.80	248.20	243.30
Falownik	T620500032208313	2344669397	2023/02/16 14:05:58	258.10	256.20	250.90
Falownik	T620500032208313	2344669397	2023/02/16 14:11:02	253.90	254.30	250.00
Falownik	T620500032208313	2344669397	2023/02/16 14:16:06	252.60	254.40	246.30
Falownik	T620500032208313	2344669397	2023/02/16 14:21:10	254.40	255.10	250.00
Falownik	T620500032208313	2344669397	2023/02/16 14:26:14	255.70	254.10	250.70
Falownik	T620500032208313	2344669397	2023/02/16 14:31:18	251.20	248.80	245.60
Falownik	T620500032208313	2344669397	2023/02/16 14:36:22	253.10	253.10	249.00
Falownik	T620500032208313	2344669397	2023/02/16 14:41:26	254.70	240.20	245.80
Falownik	T620500032208313	2344669397	2023/02/16 14:46:30	249.40	251.20	243.00
Falownik	T620500032208313	2344669397	2023/02/16 14:51:34	250.90	246.20	245.40
Falownik	T620500032208313	2344669397	2023/02/16 14:56:38	242.90	251.40	248.70

Falownik	T620500032208313	2344669397	2023/02/16 15:01:42	250.40	248.30	244.50
Falownik	T620500032208313	2344669397	2023/02/16 15:06:46	250.30	250.00	246.50
Falownik	T620500032208313	2344669397	2023/02/16 15:11:50	248.30	249.50	241.20
Falownik	T620500032208313	2344669397	2023/02/16 15:16:54	247.20	247.60	240.50
Falownik	T620500032208313	2344669397	2023/02/16 15:21:58	242.70	244.80	237.80
Falownik	T620500032208313	2344669397	2023/02/16 15:27:02	244.70	245.40	236.10
Falownik	T620500032208313	2344669397	2023/02/16 15:32:06	240.40	238.40	236.30
Falownik	T620500032208313	2344669397	2023/02/16 15:37:10	238.80	239.20	236.10
Falownik	T620500032208313	2344669397	2023/02/16 15:42:14	242.70	241.90	239.80
Falownik	T620500032208313	2344669397	2023/02/16 15:47:18	242.40	240.60	239.00
Falownik	T620500032208313	2344669397	2023/02/16 15:52:22	241.30	238.60	236.90
Falownik	T620500032208313	2344669397	2023/02/16 15:57:26	237.10	235.70	234.90
Falownik	T620500032208313	2344669397	2023/02/16 16:02:30	238.00	232.00	232.60
Falownik	T620500032208313	2344669397	2023/02/16 16:04:36	238.40	236.70	235.20
Falownik	T620500032208313	2344669397	2023/02/16 16:05:09	238.40	236.70	235.20
Falownik	T620500032208313	2344669397	2023/02/16 16:10:20	234.50	236.00	234.20
Falownik	T620500032208313	2344669397	2023/02/16 16:15:25	238.80	237.50	233.50
Falownik	T620500032208313	2344669397	2023/02/16 16:20:29	236.30	236.70	232.50
Falownik	T620500032208313	2344669397	2023/02/16 16:25:33	233.70	232.00	229.30
Falownik	T620500032208313	2344669397	2023/02/16 16:30:37	234.00	232.20	231.60
Falownik	T620500032208313	2344669397	2023/02/16 16:35:41	236.30	232.80	228.60
Falownik	T620500032208313	2344669397	2023/02/16 16:40:45	237.60	234.90	231.70
Falownik	T620500032208313	2344669397	2023/02/16 16:45:49	237.00	234.10	230.80
Falownik	T620500032208313	2344669397	2023/02/16 16:50:53	237.80	230.30	232.70
Falownik	T620500032208313	2344669397	2023/02/16 16:55:57	236.00	227.90	231.70
Falownik	T620500032208313	2344669397	2023/02/16 17:01:01	234.70	231.50	227.60
Falownik	T620500032208313	2344669397	2023/02/16 17:06:05	235.10	230.10	230.10

Raport dzienny z dnia 01.03.2023 r.

Proszę zwrócić uwagę, że norma napięcia to 230 (+/- 10%, czyli maksymalnie 253V). Normy te są przekroczone co grozi uszkodzeniem nie tylko instalacji fotowoltaicznej, ale również innych urządzeń wpiętych w sieć.

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620500032208313	2344669397	2023/03/01 06:39:25	229.20	226.90	224.40
Falownik	T620500032208313	2344669397	2023/03/01 06:44:35	229.50	226.30	222.20
Falownik	T620500032208313	2344669397	2023/03/01 06:49:43	229.70	224.80	225.80
Falownik	T620500032208313	2344669397	2023/03/01 06:54:53	229.80	225.60	223.50
Falownik	T620500032208313	2344669397	2023/03/01 07:00:00	230.10	228.50	225.30
Falownik	T620500032208313	2344669397	2023/03/01 07:05:04	228.70	226.40	224.30
Falownik	T620500032208313	2344669397	2023/03/01 07:10:14	223.00	229.20	223.90
Falownik	T620500032208313	2344669397	2023/03/01 07:15:25	225.00	221.10	219.50
Falownik	T620500032208313	2344669397	2023/03/01 07:20:36	231.80	230.50	227.20
Falownik	T620500032208313	2344669397	2023/03/01 07:25:54	230.60	229.90	225.40
Falownik	T620500032208313	2344669397	2023/03/01 07:31:04	232.00	229.10	225.90
Falownik	T620500032208313	2344669397	2023/03/01 07:36:12	230.80	230.70	227.80

Falownik	T620500032208313	2344669397	2023/03/01 07:41:23	233.20	230.40	228.00
Falownik	T620500032208313	2344669397	2023/03/01 07:46:32	230.00	229.60	228.80
Falownik	T620500032208313	2344669397	2023/03/01 07:51:44	231.60	231.50	228.10
Falownik	T620500032208313	2344669397	2023/03/01 07:56:52	232.60	232.20	228.20
Falownik	T620500032208313	2344669397	2023/03/01 08:02:04	234.40	233.20	229.10
Falownik	T620500032208313	2344669397	2023/03/01 08:07:19	235.00	232.30	232.10
Falownik	T620500032208313	2344669397	2023/03/01 08:12:27	238.60	234.70	234.10
Falownik	T620500032208313	2344669397	2023/03/01 08:17:35	239.60	238.60	235.40
Falownik	T620500032208313	2344669397	2023/03/01 08:22:43	239.70	241.40	238.20
Falownik	T620500032208313	2344669397	2023/03/01 08:27:54	245.70	242.70	239.30
Falownik	T620500032208313	2344669397	2023/03/01 08:33:03	237.90	243.10	238.80
Falownik	T620500032208313	2344669397	2023/03/01 08:38:11	247.60	243.50	242.10
Falownik	T620500032208313	2344669397	2023/03/01 08:43:22	249.40	246.80	244.60
Falownik	T620500032208313	2344669397	2023/03/01 08:48:33	249.50	245.30	245.30
Falownik	T620500032208313	2344669397	2023/03/01 08:53:41	252.60	249.40	246.30
Falownik	T620500032208313	2344669397	2023/03/01 08:58:55	253.50	250.80	244.70
Falownik	T620500032208313	2344669397	2023/03/01 09:04:03	254.50	252.00	248.60
Falownik	T620500032208313	2344669397	2023/03/01 09:09:08	251.70	248.60	248.60
Falownik	T620500032208313	2344669397	2023/03/01 09:14:16	253.60	250.20	249.80
Falownik	T620500032208313	2344669397	2023/03/01 09:19:21	253.60	250.60	248.70
Falownik	T620500032208313	2344669397	2023/03/01 09:24:30	255.90	252.60	251.50
Falownik	T620500032208313	2344669397	2023/03/01 09:29:38	253.60	252.20	250.80
Falownik	T620500032208313	2344669397	2023/03/01 09:34:46	256.70	254.10	251.80
Falownik	T620500032208313	2344669397	2023/03/01 09:38:58	255.60	255.70	250.90
Falownik	T620500032208313	2344669397	2023/03/01 09:39:33	255.60	255.70	250.90
Falownik	T620500032208313	2344669397	2023/03/01 09:44:44	255.40	254.20	253.40
Falownik	T620500032208313	2344669397	2023/03/01 09:49:49	257.60	256.60	254.70
Falownik	T620500032208313	2344669397	2023/03/01 09:54:53	253.00	255.90	254.20
Falownik	T620500032208313	2344669397	2023/03/01 09:59:57	256.10	257.40	251.90
Falownik	T620500032208313	2344669397	2023/03/01 10:05:01	258.00	258.50	254.80
Falownik	T620500032208313	2344669397	2023/03/01 10:10:05	255.10	257.70	253.90
Falownik	T620500032208313	2344669397	2023/03/01 10:15:09	256.90	256.70	254.10
Falownik	T620500032208313	2344669397	2023/03/01 10:20:13	258.00	257.10	253.30
Falownik	T620500032208313	2344669397	2023/03/01 10:25:17	258.80	257.00	253.50
Falownik	T620500032208313	2344669397	2023/03/01 10:30:21	257.80	257.40	252.30
Falownik	T620500032208313	2344669397	2023/03/01 10:35:25	261.00	254.10	253.10
Falownik	T620500032208313	2344669397	2023/03/01 10:40:29	254.80	250.70	246.10
Falownik	T620500032208313	2344669397	2023/03/01 10:45:33	256.60	252.00	249.80
Falownik	T620500032208313	2344669397	2023/03/01 10:50:37	256.80	255.50	250.30
Falownik	T620500032208313	2344669397	2023/03/01 10:55:41	256.20	256.40	252.60
Falownik	T620500032208313	2344669397	2023/03/01 11:00:45	259.20	255.90	253.70
Falownik	T620500032208313	2344669397	2023/03/01 11:05:49	257.50	255.90	252.90
Falownik	T620500032208313	2344669397	2023/03/01 11:10:53	258.80	256.80	251.70
Falownik	T620500032208313	2344669397	2023/03/01 11:15:57	255.30	254.10	249.30
Falownik	T620500032208313	2344669397	2023/03/01 11:21:01	257.80	255.20	250.90
Falownik	T620500032208313	2344669397	2023/03/01 11:26:05	258.90	256.50	252.80
Falownik	T620500032208313	2344669397	2023/03/01 11:31:09	254.60	251.90	249.70
Falownik	T620500032208313	2344669397	2023/03/01 11:36:13	256.90	254.90	240.90

Falownik	T620500032208313	2344669397	2023/03/01 11:41:17	259.50	257.30	244.30
Falownik	T620500032208313	2344669397	2023/03/01 11:46:21	252.40	261.70	245.60
Falownik	T620500032208313	2344669397	2023/03/01 11:51:25	258.50	256.40	242.20
Falownik	T620500032208313	2344669397	2023/03/01 11:56:29	252.20	250.40	249.80
Falownik	T620500032208313	2344669397	2023/03/01 12:01:33	253.00	252.60	249.20
Falownik	T620500032208313	2344669397	2023/03/01 12:06:37	257.30	258.50	252.60
Falownik	T620500032208313	2344669397	2023/03/01 12:11:41	258.30	258.50	254.40
Falownik	T620500032208313	2344669397	2023/03/01 12:16:45	258.90	259.60	254.30
Falownik	T620500032208313	2344669397	2023/03/01 12:21:49	259.60	257.00	256.70
Falownik	T620500032208313	2344669397	2023/03/01 12:26:53	259.70	256.00	255.50
Falownik	T620500032208313	2344669397	2023/03/01 12:31:57	258.90	259.70	252.80
Falownik	T620500032208313	2344669397	2023/03/01 12:37:01	259.80	258.30	254.70
Falownik	T620500032208313	2344669397	2023/03/01 12:39:06	260.60	258.70	255.00
Falownik	T620500032208313	2344669397	2023/03/01 12:39:39	260.60	258.70	255.00
Falownik	T620500032208313	2344669397	2023/03/01 12:44:50	259.30	259.90	253.80
Falownik	T620500032208313	2344669397	2023/03/01 12:49:55	259.00	260.70	254.00
Falownik	T620500032208313	2344669397	2023/03/01 12:54:59	257.40	258.70	252.90
Falownik	T620500032208313	2344669397	2023/03/01 13:00:03	261.10	259.00	254.50
Falownik	T620500032208313	2344669397	2023/03/01 13:05:07	261.10	259.10	254.70
Falownik	T620500032208313	2344669397	2023/03/01 13:10:11	255.00	252.90	250.40
Falownik	T620500032208313	2344669397	2023/03/01 13:15:15	257.20	258.70	252.90
Falownik	T620500032208313	2344669397	2023/03/01 13:20:19	257.20	257.30	249.40
Falownik	T620500032208313	2344669397	2023/03/01 13:25:23	258.40	257.50	252.70
Falownik	T620500032208313	2344669397	2023/03/01 13:30:27	256.80	255.60	251.50
Falownik	T620500032208313	2344669397	2023/03/01 13:35:31	257.00	256.00	255.00
Falownik	T620500032208313	2344669397	2023/03/01 13:40:35	256.10	256.80	251.10
Falownik	T620500032208313	2344669397	2023/03/01 13:45:39	253.10	254.80	250.40
Falownik	T620500032208313	2344669397	2023/03/01 13:50:43	259.70	258.80	253.40
Falownik	T620500032208313	2344669397	2023/03/01 13:55:47	259.10	258.90	254.30
Falownik	T620500032208313	2344669397	2023/03/01 14:00:51	256.90	256.90	253.10
Falownik	T620500032208313	2344669397	2023/03/01 14:05:55	257.70	256.20	254.20
Falownik	T620500032208313	2344669397	2023/03/01 14:10:59	256.50	254.50	251.90
Falownik	T620500032208313	2344669397	2023/03/01 14:16:03	256.10	254.00	250.90
Falownik	T620500032208313	2344669397	2023/03/01 14:21:07	254.00	251.40	249.20
Falownik	T620500032208313	2344669397	2023/03/01 14:26:11	258.10	257.00	248.70
Falownik	T620500032208313	2344669397	2023/03/01 14:31:15	254.70	252.40	250.90
Falownik	T620500032208313	2344669397	2023/03/01 14:36:19	252.40	252.10	248.20
Falownik	T620500032208313	2344669397	2023/03/01 14:41:23	253.90	251.50	249.20
Falownik	T620500032208313	2344669397	2023/03/01 14:46:27	253.20	248.40	246.40
Falownik	T620500032208313	2344669397	2023/03/01 14:51:31	251.10	250.00	247.20
Falownik	T620500032208313	2344669397	2023/03/01 14:56:35	255.20	250.40	249.00
Falownik	T620500032208313	2344669397	2023/03/01 15:01:39	254.50	249.90	248.40
Falownik	T620500032208313	2344669397	2023/03/01 15:06:43	251.00	249.00	245.70
Falownik	T620500032208313	2344669397	2023/03/01 15:11:47	252.50	249.80	248.00
Falownik	T620500032208313	2344669397	2023/03/01 15:16:51	252.30	248.10	245.60
Falownik	T620500032208313	2344669397	2023/03/01 15:21:55	248.70	246.00	243.40
Falownik	T620500032208313	2344669397	2023/03/01 15:26:59	248.60	246.20	242.30
Falownik	T620500032208313	2344669397	2023/03/01 15:32:03	246.00	245.00	242.00

Falownik	T620500032208313	2344669397	2023/03/01 15:37:07	244.40	243.00	242.00
Falownik	T620500032208313	2344669397	2023/03/01 15:39:13	245.30	242.90	241.50
Falownik	T620500032208313	2344669397	2023/03/01 15:39:47	245.30	242.90	241.50
Falownik	T620500032208313	2344669397	2023/03/01 15:45:06	243.10	241.30	238.00
Falownik	T620500032208313	2344669397	2023/03/01 15:50:13	242.90	241.20	240.10
Falownik	T620500032208313	2344669397	2023/03/01 15:55:17	239.70	238.70	236.40
Falownik	T620500032208313	2344669397	2023/03/01 16:00:21	240.40	238.80	237.60
Falownik	T620500032208313	2344669397	2023/03/01 16:05:27	239.50	238.60	237.20
Falownik	T620500032208313	2344669397	2023/03/01 16:10:31	238.80	238.40	235.50
Falownik	T620500032208313	2344669397	2023/03/01 16:15:35	238.30	235.80	234.60
Falownik	T620500032208313	2344669397	2023/03/01 16:20:40	234.70	232.80	230.60
Falownik	T620500032208313	2344669397	2023/03/01 16:25:44	233.70	230.90	227.30
Falownik	T620500032208313	2344669397	2023/03/01 16:30:48	232.80	230.20	227.00
Falownik	T620500032208313	2344669397	2023/03/01 16:35:52	229.40	228.50	226.20
Falownik	T620500032208313	2344669397	2023/03/01 16:40:56	229.40	226.00	225.60
Falownik	T620500032208313	2344669397	2023/03/01 16:46:00	228.70	218.60	224.50
Falownik	T620500032208313	2344669397	2023/03/01 16:51:04	227.20	225.10	223.20
Falownik	T620500032208313	2344669397	2023/03/01 16:56:08	231.80	229.60	226.30
Falownik	T620500032208313	2344669397	2023/03/01 17:01:12	230.00	225.90	224.80
Falownik	T620500032208313	2344669397	2023/03/01 17:06:16	228.80	227.00	223.70
Falownik	T620500032208313	2344669397	2023/03/01 17:11:20	221.70	220.00	217.00
Falownik	T620500032208313	2344669397	2023/03/01 17:16:24	225.90	223.40	220.50
Falownik	T620500032208313	2344669397	2023/03/01 17:21:28	228.30	224.60	219.50
Falownik	T620500032208313	2344669397	2023/03/01 17:26:32	225.70	224.70	218.70
Falownik	T620500032208313	2344669397	2023/03/01 17:31:36	225.20	223.00	220.50

6. PPE – 590243845028493521

Tabele z zaznaczonymi przekroczeniami normy napięcia po stronie AC dzienny z dnia 28-02-2023 i 01-03-2023

Zaznaczone pozycje (kolor czerwony) wskazują odczyty z inwertera przekraczające wartość 253V. Należy nadmienić, że po przekroczeniu tej wartości progowej inwerter się wyłącza i podejmuje pracę ponownie przy wykryciu prawidłowych parametrów prądu.

Proszę zwrócić uwagę, że norma napięcia to 230 (+/- 10%, czyli maksymalnie 253V). Normy te są przekroczone co grozi uszkodzeniem nie tylko instalacji fotowoltaicznej, ale również innych urządzeń wpiętych w sieć.

Raport dzienny z dnia 28.02.2023 r.

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620500032205109	2333592302	2023/02/28 11:15:43	254.20
Falownik	T620500032205109	2333592302	2023/02/28 12:16:31	253.80
Falownik	T620500032205109	2333592302	2023/02/28 11:30:55	253.70
Falownik	T620500032205109	2333592302	2023/02/28 12:26:39	253.60
Falownik	T620500032205109	2333592302	2023/02/28 11:51:11	253.50
Falownik	T620500032205109	2333592302	2023/02/28 12:01:19	252.90
Falownik	T620500032205109	2333592302	2023/02/28 11:00:31	252.80
Falownik	T620500032205109	2333592302	2023/02/28 12:59:50	252.80

Falownik	T620500032205109	2333592302	2023/02/28 11:46:07	252.80
Falownik	T620500032205109	2333592302	2023/02/28 12:39:33	252.80
Falownik	T620500032205109	2333592302	2023/02/28 10:09:51	252.40
Falownik	T620500032205109	2333592302	2023/02/28 13:15:02	252.30
Falownik	T620500032205109	2333592302	2023/02/28 10:35:11	252.20
Falownik	T620500032205109	2333592302	2023/02/28 11:05:35	251.90
Falownik	T620500032205109	2333592302	2023/02/28 10:45:19	251.90
Falownik	T620500032205109	2333592302	2023/02/28 12:33:50	251.60
Falownik	T620500032205109	2333592302	2023/02/28 12:34:22	251.60
Falownik	T620500032205109	2333592302	2023/02/28 10:25:03	251.50
Falownik	T620500032205109	2333592302	2023/02/28 11:41:03	251.50
Falownik	T620500032205109	2333592302	2023/02/28 11:20:47	251.50
Falownik	T620500032205109	2333592302	2023/02/28 10:30:07	251.40
Falownik	T620500032205109	2333592302	2023/02/28 09:54:39	251.40
Falownik	T620500032205109	2333592302	2023/02/28 09:39:26	251.30
Falownik	T620500032205109	2333592302	2023/02/28 12:21:35	251.30
Falownik	T620500032205109	2333592302	2023/02/28 10:50:23	251.20
Falownik	T620500032205109	2333592302	2023/02/28 13:09:58	251.00
Falownik	T620500032205109	2333592302	2023/02/28 10:55:27	251.00
Falownik	T620500032205109	2333592302	2023/02/28 11:56:15	251.00
Falownik	T620500032205109	2333592302	2023/02/28 11:35:59	251.00
Falownik	T620500032205109	2333592302	2023/02/28 14:00:39	250.90
Falownik	T620500032205109	2333592302	2023/02/28 13:45:26	250.80
Falownik	T620500032205109	2333592302	2023/02/28 13:50:30	250.80
Falownik	T620500032205109	2333592302	2023/02/28 13:30:14	250.80
Falownik	T620500032205109	2333592302	2023/02/28 11:25:51	250.60
Falownik	T620500032205109	2333592302	2023/02/28 12:49:42	250.50
Falownik	T620500032205109	2333592302	2023/02/28 13:20:06	250.50
Falownik	T620500032205109	2333592302	2023/02/28 13:04:54	250.40
Falownik	T620500032205109	2333592302	2023/02/28 10:40:15	250.30
Falownik	T620500032205109	2333592302	2023/02/28 09:59:43	250.30
Falownik	T620500032205109	2333592302	2023/02/28 12:31:44	250.30
Falownik	T620500032205109	2333592302	2023/02/28 12:44:38	250.10
Falownik	T620500032205109	2333592302	2023/02/28 11:10:39	250.10
Falownik	T620500032205109	2333592302	2023/02/28 14:15:51	249.90
Falownik	T620500032205109	2333592302	2023/02/28 13:25:10	249.90
Falownik	T620500032205109	2333592302	2023/02/28 13:40:22	249.80
Falownik	T620500032205109	2333592302	2023/02/28 10:04:47	249.60
Falownik	T620500032205109	2333592302	2023/02/28 12:11:27	249.60
Falownik	T620500032205109	2333592302	2023/02/28 09:17:07	249.50
Falownik	T620500032205109	2333592302	2023/02/28 09:44:31	249.50
Falownik	T620500032205109	2333592302	2023/02/28 12:54:46	249.50
Falownik	T620500032205109	2333592302	2023/02/28 09:32:19	249.50
Falownik	T620500032205109	2333592302	2023/02/28 09:49:35	249.20
Falownik	T620500032205109	2333592302	2023/02/28 09:22:11	249.10
Falownik	T620500032205109	2333592302	2023/02/28 10:14:55	249.00
Falownik	T620500032205109	2333592302	2023/02/28 12:06:23	249.00
Falownik	T620500032205109	2333592302	2023/02/28 14:05:43	248.90

Falownik	T620500032205109	2333592302	2023/02/28 09:33:42	248.60
Falownik	T620500032205109	2333592302	2023/02/28 09:34:15	248.60
Falownik	T620500032205109	2333592302	2023/02/28 13:55:35	248.50
Falownik	T620500032205109	2333592302	2023/02/28 13:35:18	248.30
Falownik	T620500032205109	2333592302	2023/02/28 10:19:59	247.90
Falownik	T620500032205109	2333592302	2023/02/28 14:36:07	247.30
Falownik	T620500032205109	2333592302	2023/02/28 14:25:59	247.20
Falownik	T620500032205109	2333592302	2023/02/28 14:10:47	247.00
Falownik	T620500032205109	2333592302	2023/02/28 09:27:16	247.00
Falownik	T620500032205109	2333592302	2023/02/28 09:12:03	247.00
Falownik	T620500032205109	2333592302	2023/02/28 08:56:44	246.90
Falownik	T620500032205109	2333592302	2023/02/28 14:46:15	245.50
Falownik	T620500032205109	2333592302	2023/02/28 14:31:03	245.20
Falownik	T620500032205109	2333592302	2023/02/28 09:01:51	245.20
Falownik	T620500032205109	2333592302	2023/02/28 09:06:59	245.20
Falownik	T620500032205109	2333592302	2023/02/28 08:51:40	244.90
Falownik	T620500032205109	2333592302	2023/02/28 14:20:55	244.70
Falownik	T620500032205109	2333592302	2023/02/28 08:46:35	244.70
Falownik	T620500032205109	2333592302	2023/02/28 14:41:11	244.40
Falownik	T620500032205109	2333592302	2023/02/28 08:41:28	243.50
Falownik	T620500032205109	2333592302	2023/02/28 14:51:19	243.40
Falownik	T620500032205109	2333592302	2023/02/28 15:01:27	243.20
Falownik	T620500032205109	2333592302	2023/02/28 15:06:31	243.00
Falownik	T620500032205109	2333592302	2023/02/28 14:56:23	242.80
Falownik	T620500032205109	2333592302	2023/02/28 15:16:39	242.80
Falownik	T620500032205109	2333592302	2023/02/28 08:26:08	241.60
Falownik	T620500032205109	2333592302	2023/02/28 08:36:20	241.60
Falownik	T620500032205109	2333592302	2023/02/28 15:21:43	241.40
Falownik	T620500032205109	2333592302	2023/02/28 15:26:47	241.20
Falownik	T620500032205109	2333592302	2023/02/28 08:31:15	241.10
Falownik	T620500032205109	2333592302	2023/02/28 15:11:35	240.70
Falownik	T620500032205109	2333592302	2023/02/28 08:15:56	240.00
Falownik	T620500032205109	2333592302	2023/02/28 15:31:51	239.80
Falownik	T620500032205109	2333592302	2023/02/28 15:33:57	239.80
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Falownik	T620500032205109	2333592302	2023/02/28 08:05:48	238.80
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Falownik	T620500032205109	2333592302	2023/02/28 07:55:37	235.20
Falownik	T620500032205109	2333592302	2023/02/28 07:50:34	233.50
Falownik	T620500032205109	2333592302	2023/02/28 15:44:51	233.40
Falownik	T620500032205109	2333592302	2023/02/28 16:05:11	233.30
Falownik	T620500032205109	2333592302	2023/02/28 07:45:29	233.20
Falownik	T620500032205109	2333592302	2023/02/28 07:35:11	232.60
Falownik	T620500032205109	2333592302	2023/02/28 07:40:22	232.30
Falownik	T620500032205109	2333592302	2023/02/28 16:00:04	232.00

Falownik	T620500032205109	2333592302	2023/02/28 07:29:59	231.80
Falownik	T620500032205109	2333592302	2023/02/28 16:20:26	230.70
Falownik	T620500032205109	2333592302	2023/02/28 16:15:21	230.60
Falownik	T620500032205109	2333592302	2023/02/28 16:25:31	230.50
Falownik	T620500032205109	2333592302	2023/02/28 16:10:16	230.40
Falownik	T620500032205109	2333592302	2023/02/28 06:39:18	229.60
Falownik	T620500032205109	2333592302	2023/02/28 15:55:00	229.30
Falownik	T620500032205109	2333592302	2023/02/28 07:24:55	229.30
Falownik	T620500032205109	2333592302	2023/02/28 06:44:23	228.10
Falownik	T620500032205109	2333592302	2023/02/28 07:14:48	227.70
Falownik	T620500032205109	2333592302	2023/02/28 15:49:55	227.60
Falownik	T620500032205109	2333592302	2023/02/28 07:09:43	227.10
Falownik	T620500032205109	2333592302	2023/02/28 16:53:16	226.90
Falownik	T620500032205109	2333592302	2023/02/28 06:49:27	226.60
Falownik	T620500032205109	2333592302	2023/02/28 07:04:39	226.40
Falownik	T620500032205109	2333592302	2023/02/28 06:54:31	226.10
Falownik	T620500032205109	2333592302	2023/02/28 07:19:51	226.00
Falownik	T620500032205109	2333592302	2023/02/28 06:59:35	225.90
Falownik	T620500032205109	2333592302	2023/02/28 16:58:21	225.20
Falownik	T620500032205109	2333592302	2023/02/28 16:40:03	224.70
Falownik	T620500032205109	2333592302	2023/02/28 16:42:55	224.70
Falownik	T620500032205109	2333592302	2023/02/28 17:09:29	224.60
Falownik	T620500032205109	2333592302	2023/02/28 17:12:25	224.60
Falownik	T620500032205109	2333592302	2023/02/28 16:30:36	224.50
Falownik	T620500032205109	2333592302	2023/02/28 16:48:06	224.00
Falownik	T620500032205109	2333592302	2023/02/28 16:35:41	222.80
Falownik	T620500032205109	2333592302	2023/02/28 17:03:26	222.50
Falownik	T620500032205109	2333592302	2023/02/28 17:08:34	222.30
Falownik	T620500032205109	2333592302	2023/02/28 16:40:47	222.20
Falownik	T620500032205109	2333592302	2023/02/28 17:17:35	221.10
Falownik	T620500032205109	2333592302	2023/02/28 17:29:55	219.60
Falownik	T620500032205109	2333592302	2023/02/28 17:31:08	219.60
Falownik	T620500032205109	2333592302	2023/02/28 17:27:48	219.10
Falownik	T620500032205109	2333592302	2023/02/28 17:22:43	218.70

Raport dzienny z dnia 01.03.2023 r.

Rodzaj urządzenia	SN	Urządzenie nadrzędne	Czas	Napięcie AC R / U / A(V)	Napięcie AC S / V / B(V)	Napięcie prądu przemiennego T / W / C(V)
Falownik	T620500032205109	2333592302	2023/03/01 12:16:58	243.80	243.50	253.80
Falownik	T620500032205109	2333592302	2023/03/01 12:42:18	243.10	238.50	253.80
Falownik	T620500032205109	2333592302	2023/03/01 10:27:55	244.70	240.20	253.60
Falownik	T620500032205109	2333592302	2023/03/01 11:18:35	243.30	239.40	253.60
Falownik	T620500032205109	2333592302	2023/03/01 12:01:46	245.70	242.20	253.50
Falownik	T620500032205109	2333592302	2023/03/01 11:33:47	244.20	237.60	253.50
Falownik	T620500032205109	2333592302	2023/03/01 13:22:50	241.90	240.50	253.40
Falownik	T620500032205109	2333592302	2023/03/01 12:52:26	240.80	236.40	253.40

Falownik	T620500032205109	2333592302	2023/03/01 13:17:46	244.00	244.50	253.30
Falownik	T620500032205109	2333592302	2023/03/01 10:22:51	245.60	238.70	253.20
Falownik	T620500032205109	2333592302	2023/03/01 10:43:07	241.80	240.60	253.10
Falownik	T620500032205109	2333592302	2023/03/01 12:06:50	242.80	238.70	253.10
Falownik	T620500032205109	2333592302	2023/03/01 12:57:30	241.90	239.60	252.90
Falownik	T620500032205109	2333592302	2023/03/01 09:47:23	244.60	230.20	252.90
Falownik	T620500032205109	2333592302	2023/03/01 11:28:43	243.20	240.40	252.80
Falownik	T620500032205109	2333592302	2023/03/01 11:50:58	246.80	237.30	252.70
Falownik	T620500032205109	2333592302	2023/03/01 11:51:30	246.80	237.30	252.70
Falownik	T620500032205109	2333592302	2023/03/01 09:52:27	243.90	231.10	252.60
Falownik	T620500032205109	2333592302	2023/03/01 10:53:15	242.30	235.40	252.50
Falownik	T620500032205109	2333592302	2023/03/01 10:07:39	246.20	238.20	252.40
Falownik	T620500032205109	2333592302	2023/03/01 09:27:07	246.20	228.70	252.40
Falownik	T620500032205109	2333592302	2023/03/01 11:23:39	246.20	241.30	252.30
Falownik	T620500032205109	2333592302	2023/03/01 11:13:31	244.50	236.10	252.30
Falownik	T620500032205109	2333592302	2023/03/01 11:43:55	245.90	241.10	252.20
Falownik	T620500032205109	2333592302	2023/03/01 09:37:15	246.80	233.40	252.20
Falownik	T620500032205109	2333592302	2023/03/01 12:37:14	243.00	233.30	252.20
Falownik	T620500032205109	2333592302	2023/03/01 13:02:34	246.50	239.50	252.10
Falownik	T620500032205109	2333592302	2023/03/01 11:38:51	246.10	238.00	252.00
Falownik	T620500032205109	2333592302	2023/03/01 11:48:59	246.50	237.90	251.90
Falownik	T620500032205109	2333592302	2023/03/01 09:57:31	246.10	232.30	251.90
Falownik	T620500032205109	2333592302	2023/03/01 11:56:41	242.60	241.10	251.80
Falownik	T620500032205109	2333592302	2023/03/01 10:58:19	245.60	235.90	251.60
Falownik	T620500032205109	2333592302	2023/03/01 10:02:35	248.00	235.60	251.50
Falownik	T620500032205109	2333592302	2023/03/01 13:32:58	247.50	244.80	251.40
Falownik	T620500032205109	2333592302	2023/03/01 13:38:02	245.60	243.70	251.40
Falownik	T620500032205109	2333592302	2023/03/01 12:27:06	245.10	238.10	251.30
Falownik	T620500032205109	2333592302	2023/03/01 13:58:18	247.70	238.80	251.20
Falownik	T620500032205109	2333592302	2023/03/01 09:22:03	246.50	230.40	251.20
Falownik	T620500032205109	2333592302	2023/03/01 10:17:47	244.30	240.10	251.10
Falownik	T620500032205109	2333592302	2023/03/01 12:32:11	244.60	233.60	251.10
Falownik	T620500032205109	2333592302	2023/03/01 10:12:43	248.00	239.40	251.00
Falownik	T620500032205109	2333592302	2023/03/01 09:42:19	244.80	235.60	251.00
Falownik	T620500032205109	2333592302	2023/03/01 11:08:27	246.80	235.40	251.00
Falownik	T620500032205109	2333592302	2023/03/01 13:27:54	246.40	244.50	250.90
Falownik	T620500032205109	2333592302	2023/03/01 12:22:02	246.30	239.40	250.90
Falownik	T620500032205109	2333592302	2023/03/01 09:16:59	240.30	238.70	250.70
Falownik	T620500032205109	2333592302	2023/03/01 10:32:59	244.30	238.10	250.70
Falownik	T620500032205109	2333592302	2023/03/01 11:03:23	245.70	234.20	250.70
Falownik	T620500032205109	2333592302	2023/03/01 12:47:22	245.20	242.10	250.60
Falownik	T620500032205109	2333592302	2023/03/01 10:38:03	243.50	235.40	250.60
Falownik	T620500032205109	2333592302	2023/03/01 13:48:10	247.40	241.50	250.50
Falownik	T620500032205109	2333592302	2023/03/01 13:12:42	245.30	239.30	250.50
Falownik	T620500032205109	2333592302	2023/03/01 13:53:14	245.00	239.40	250.20
Falownik	T620500032205109	2333592302	2023/03/01 10:48:11	243.30	239.00	250.20
Falownik	T620500032205109	2333592302	2023/03/01 13:07:38	247.20	235.90	249.70
Falownik	T620500032205109	2333592302	2023/03/01 13:43:06	245.50	244.10	249.60

Falownik	T620500032205109	2333592302	2023/03/01 09:11:55	240.30	240.20	249.40
Falownik	T620500032205109	2333592302	2023/03/01 12:11:54	245.20	243.40	249.10
Falownik	T620500032205109	2333592302	2023/03/01 14:03:22	247.40	241.10	249.10
Falownik	T620500032205109	2333592302	2023/03/01 14:13:30	245.40	242.10	249.00
Falownik	T620500032205109	2333592302	2023/03/01 14:28:42	243.20	240.10	249.00
Falownik	T620500032205109	2333592302	2023/03/01 14:33:46	243.50	242.70	248.80
Falownik	T620500032205109	2333592302	2023/03/01 14:18:34	244.00	240.60	248.80
Falownik	T620500032205109	2333592302	2023/03/01 14:08:26	246.80	241.30	248.60
Falownik	T620500032205109	2333592302	2023/03/01 14:23:38	248.60	239.90	248.40
Falownik	T620500032205109	2333592302	2023/03/01 09:01:42	245.10	230.40	248.20
Falownik	T620500032205109	2333592302	2023/03/01 14:38:50	244.10	241.00	247.40
Falownik	T620500032205109	2333592302	2023/03/01 14:48:59	238.50	240.50	247.00
Falownik	T620500032205109	2333592302	2023/03/01 14:43:54	242.30	243.40	246.60
Falownik	T620500032205109	2333592302	2023/03/01 09:32:11	244.00	236.10	246.60
Falownik	T620500032205109	2333592302	2023/03/01 08:56:35	244.40	232.40	244.90
Falownik	T620500032205109	2333592302	2023/03/01 08:40:22	243.30	229.90	244.80
Falownik	T620500032205109	2333592302	2023/03/01 15:12:07	241.20	234.60	244.30
Falownik	T620500032205109	2333592302	2023/03/01 15:07:02	240.20	234.20	244.30
Falownik	T620500032205109	2333592302	2023/03/01 14:51:05	242.60	238.30	244.20
Falownik	T620500032205109	2333592302	2023/03/01 14:51:41	242.60	238.30	244.20
Falownik	T620500032205109	2333592302	2023/03/01 15:01:58	242.40	237.50	244.20
Falownik	T620500032205109	2333592302	2023/03/01 08:35:17	240.20	226.20	243.60
Falownik	T620500032205109	2333592302	2023/03/01 15:17:11	238.90	236.00	243.10
Falownik	T620500032205109	2333592302	2023/03/01 09:06:46	239.80	231.50	242.90
Falownik	T620500032205109	2333592302	2023/03/01 15:22:16	241.00	230.30	242.80
Falownik	T620500032205109	2333592302	2023/03/01 08:50:37	242.90	233.20	242.70
Falownik	T620500032205109	2333592302	2023/03/01 08:45:29	243.70	232.60	242.60
Falownik	T620500032205109	2333592302	2023/03/01 08:50:51	242.90	233.60	242.20
Falownik	T620500032205109	2333592302	2023/03/01 08:51:23	242.90	233.60	242.20
Falownik	T620500032205109	2333592302	2023/03/01 15:27:19	238.70	233.70	241.60
Falownik	T620500032205109	2333592302	2023/03/01 14:56:54	242.30	242.40	241.50
Falownik	T620500032205109	2333592302	2023/03/01 08:30:12	240.30	230.10	240.90
Falownik	T620500032205109	2333592302	2023/03/01 08:25:07	238.90	229.20	239.90
Falownik	T620500032205109	2333592302	2023/03/01 08:14:58	234.60	222.50	239.50
Falownik	T620500032205109	2333592302	2023/03/01 08:20:02	233.70	223.70	239.10
Falownik	T620500032205109	2333592302	2023/03/01 15:32:23	236.00	233.80	239.00
Falownik	T620500032205109	2333592302	2023/03/01 15:37:28	240.30	231.30	238.00
Falownik	T620500032205109	2333592302	2023/03/01 15:52:45	235.90	231.00	236.50
Falownik	T620500032205109	2333592302	2023/03/01 15:47:40	235.30	230.10	235.70
Falownik	T620500032205109	2333592302	2023/03/01 16:13:11	230.80	225.50	235.10
Falownik	T620500032205109	2333592302	2023/03/01 16:02:58	233.80	231.00	234.70
Falownik	T620500032205109	2333592302	2023/03/01 16:08:03	232.70	225.30	234.30
Falownik	T620500032205109	2333592302	2023/03/01 15:57:53	232.90	228.70	233.90
Falownik	T620500032205109	2333592302	2023/03/01 15:42:31	235.20	234.70	233.70
Falownik	T620500032205109	2333592302	2023/03/01 08:09:54	232.50	220.80	233.50
Falownik	T620500032205109	2333592302	2023/03/01 07:59:44	230.60	221.70	233.40
Falownik	T620500032205109	2333592302	2023/03/01 07:33:39	227.20	219.20	232.80
Falownik	T620500032205109	2333592302	2023/03/01 08:04:50	232.50	222.00	232.50

Falownik	T620500032205109	2333592302	2023/03/01 07:38:43	228.30	217.10	231.70
Falownik	T620500032205109	2333592302	2023/03/01 07:48:51	229.70	219.70	231.60
Falownik	T620500032205109	2333592302	2023/03/01 07:28:35	222.60	222.50	231.10
Falownik	T620500032205109	2333592302	2023/03/01 07:13:23	223.80	217.40	230.70
Falownik	T620500032205109	2333592302	2023/03/01 16:15:12	228.70	223.50	230.60
Falownik	T620500032205109	2333592302	2023/03/01 16:18:07	228.70	223.50	230.60
Falownik	T620500032205109	2333592302	2023/03/01 16:33:29	227.90	220.50	230.20
Falownik	T620500032205109	2333592302	2023/03/01 07:53:55	227.60	220.70	229.60
Falownik	T620500032205109	2333592302	2023/03/01 07:08:19	225.10	213.10	229.50
Falownik	T620500032205109	2333592302	2023/03/01 07:43:47	227.00	214.90	229.30
Falownik	T620500032205109	2333592302	2023/03/01 07:23:31	225.10	220.50	229.20
Falownik	T620500032205109	2333592302	2023/03/01 07:18:27	226.60	218.50	228.70
Falownik	T620500032205109	2333592302	2023/03/01 06:58:08	225.10	212.60	228.70
Falownik	T620500032205109	2333592302	2023/03/01 06:48:00	221.40	219.30	228.10
Falownik	T620500032205109	2333592302	2023/03/01 16:53:50	228.20	223.80	228.00
Falownik	T620500032205109	2333592302	2023/03/01 16:28:25	228.30	219.10	227.60
Falownik	T620500032205109	2333592302	2023/03/01 06:53:04	225.10	217.10	227.40
Falownik	T620500032205109	2333592302	2023/03/01 07:03:12	224.60	213.00	227.40
Falownik	T620500032205109	2333592302	2023/03/01 16:23:18	228.70	224.30	227.30
Falownik	T620500032205109	2333592302	2023/03/01 17:09:10	227.20	217.60	226.50
Falownik	T620500032205109	2333592302	2023/03/01 06:42:55	218.80	215.10	225.70
Falownik	T620500032205109	2333592302	2023/03/01 16:58:58	227.20	221.70	225.60
Falownik	T620500032205109	2333592302	2023/03/01 16:38:35	227.70	220.10	225.10
Falownik	T620500032205109	2333592302	2023/03/01 17:24:26	222.00	217.50	224.50
Falownik	T620500032205109	2333592302	2023/03/01 17:04:03	224.30	221.20	224.20
Falownik	T620500032205109	2333592302	2023/03/01 17:14:15	224.40	218.80	223.80
Falownik	T620500032205109	2333592302	2023/03/01 17:29:31	220.90	217.90	223.20
Falownik	T620500032205109	2333592302	2023/03/01 17:34:39	221.50	217.80	222.50
Falownik	T620500032205109	2333592302	2023/03/01 16:48:45	223.80	222.90	222.10
Falownik	T620500032205109	2333592302	2023/03/01 17:19:21	223.80	219.40	222.00
Falownik	T620500032205109	2333592302	2023/03/01 16:43:40	224.90	224.00	220.70

W każdym z tych przytoczonych przypadków wyłączenie się instalacji PV spowodowane było zbyt wysokim napięciem w sieci, które przekraczało dopuszczalną wartość 253 V w dni, kiedy było niewielkie nasłonecznienie. Zaznaczam, iż zjawisko występujących przekroczeń napięć nie dotyczy tylko w/w nieruchomości – wyłączania falowników występują na terenie całej Gminy. Jak wiadomo zbyt wysokie napięcie uniemożliwia prawidłową pracę zamontowanych zestawów PV, albowiem zgodnie z aktualnie obowiązującymi przepisami - przy przekroczeniu dopuszczalnych norm następuje automatyczne zwłoczne lub bezzwłoczne zaprzestanie pracy falowników, pomimo że urządzenia te działają w pełni prawidłowo i są właściwie skonfigurowane.

Wyłączenie się falowników generuje dla mieszkańców straty w produkcji energii elektrycznej, które bezpośrednio przedkładają się na straty finansowe związane z ponoszeniem wyższych opłat za prąd. Wielu mieszkańców wymieniło źródło ogrzewania na ekologiczne np. pompy ciepła, które tym bardziej wymagają sprawnie działającej instalacji PV dla bilansowania się obu źródeł. Kolejnym problemem dla Urzędu Gminy – Beneficjenta realizującego inwestycję, wynikającym z wyłączania się instalacji i braku odpowiedniej ilości

wyprodukowanej energii elektrycznej jest brak możliwości osiągnięcia celów i wskaźników realizacji projektu (produktu i rezultatu) wskazanych we wniosku o dofinansowanie, a mianowicie:

1. Roczego spadku emisji gazów cieplarnianych,
2. Produkcji energii elektrycznej z nowo wybudowanych instalacji wykorzystującej OZE.

Zważywszy na powyższe, proszę o informację, czy w najbliższym czasie na terenie Gminy Krzymów, właściciel infrastruktury elektro – energetycznej Energa – Operator S.A. planuje jej modernizację celem dostosowania jej parametrów do obecnej i zwiększającej się ilości i mocy instalacji PV.

Jednocześnie zwracam się z wnioskiem o uregulowanie i doprowadzenie występującego napięcia sieciowego do stanu zgodnego z obowiązującym porządkiem prawnym oraz z aktualnymi normami technicznymi obowiązującymi w przedmiotowej materii.

Z wyrazami szacunku

ZASTĘPCA WÓJTA

Roman Gęziak