

รายชื่อผลิตภัณฑ์อินเวอร์เตอร์ที่ผ่านการทดสอบตาม  
ข้อกำหนดสำหรับอินเวอร์เตอร์ที่ใช้ในระบบผลิตไฟฟ้าประเภทเชื่อมต่อกับโครงข่าย  
ของการไฟฟ้านครหลวง

No	Brand	Model/Type	Description	Firmware version
1	ABB	PVS300-TL-3300W-2	230 V, 1ph, 50 Hz, 3.3 kW	07.04 Firmware name CSSIA 07.05 Firmware ver 0.6.255.74
2	ABB	PVS300-TL-4000W-2	230 V, 1ph, 50 Hz, 4 kW	07.04 Firmware name CSSIA 07.05 Firmware ver 0.6.255.74
3	ABB	PVS300-TL-4600W-2	230 V, 1ph, 50 Hz, 4.6 kW	07.04 Firmware name CSSIA 07.05 Firmware ver 0.6.255.74
4	ABB	PVS300-TL-6000W-2	230 V, 1ph, 50 Hz, 6 kW	07.04 Firmware name CSSIA 07.05 Firmware ver 0.6.255.74
5	ABB	PVS300-TL-8000W-2	230 V, 1ph, 50 Hz, 8 kW	07.04 Firmware name CSSIA 07.05 Firmware ver 0.6.255.74
6	ABB	PVI-3.6-TL-OUTD	230 V, 1ph, 50 Hz, 3.6 kW	C.0.3.5
				C.0.3.6
				C.0.3.7
7	ABB	PVI-3.6-TL-OUTD-S	230 V, 1ph, 50 Hz, 3.6 kW	C.0.3.5
				C.0.3.6
				C.0.3.7
8	ABB	PVI-5000-TL-OUTD	230 V, 1ph, 50 Hz, 5 kW	C.0.3.5
				C.0.3.6
				C.0.3.7
9	ABB	PVI-5000-TL-OUTD-S	230 V, 1ph, 50 Hz, 5 kW	C.0.3.5
				C.0.3.6
				C.0.3.7
10	ABB	PVI-10.0-TL-OUTD	400 V, 3ph, 50 Hz, 10 kW	C026 Update ver.1435D
				C026 Update ver.1536F
				C408 Update ver.1507D
11	ABB	PVI-10.0-TL-OUTD-S	400 V, 3ph, 50 Hz, 10 kW	C026 Update ver.1435D
				C026 Update ver.1536F
				C408 Update ver.1507D

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12	ABB	PVI-10.0-TL-OUTD-FS	400 V, 3ph, 50 Hz, 10 kW	C026 Update ver.1435D
				C026 Update ver.1536F
				C408 Update ver.1507D
13	ABB	TRIO-20.0-TL-OUTD-400	400 V, 3ph, 50 Hz, 20 kW	1506F
14	ABB	TRIO-20.0-TL-OUTD-S2-400	400 V, 3ph, 50 Hz, 20 kW	1506F
15	ABB	TRIO-20.0-TL-OUTD-S2F-400	400 V, 3ph, 50 Hz, 20 kW	1506F
16	ABB	TRIO-20.0-TL-OUTD-S2X-400	400 V, 3ph, 50 Hz, 20 kW	1506F
17	ABB	TRIO-27.6-TL-OUTD-400	400 V, 3ph, 50 Hz, 27.6 kW	1506F
18	ABB	TRIO-27.6-TL-OUTD-S2-400	400 V, 3ph, 50 Hz, 27.6 kW	1506F
19	ABB	TRIO-27.6-TL-OUTD-S2F-400	400 V, 3ph, 50 Hz, 27.6 kW	1506F
20	ABB	TRIO-27.6-TL-OUTD-S2X-400	400 V, 3ph, 50 Hz, 27.6 kW	1506F
21	ABB	TRIO-50.0-TL-OUTD	400 V, 3ph, 50 Hz, 50 kW	1621F
				1648E
22	ABB	UNO-2.0-TL-OUTD	230 V, 1ph, 50 Hz, 2 kW	C30C
23	ABB	UNO-2.0-TL-OUTD-S	230 V, 1ph, 50 Hz, 2 kW	C30C
24	Ablerex	ES3300	230 V, 1ph, 50 Hz, 3 kW	PV004800
				PV004802
25	Ablerex	ES5000	230 V, 1ph, 50 Hz, 5 kW	PV004800
				PV004802
26	Afore	HNS5000TL	230 V, 1ph, 50 Hz, 5 kW	H400S300
27	CEHE	EHE-N1K5TL-TM	230 V, 1ph, 50 Hz, 1.5 kW	4038
28	CEHE	EHE-N2KTL-TM	230 V, 1ph, 50 Hz, 2 kW	4038
29	CEHE	EHE-N3KTL-TM	230 V, 1ph, 50 Hz, 3 kW	4038
30	CEHE	EHE-N4KTL-TM	230 V, 1ph, 50 Hz, 4 kW	4038
31	CEHE	EHE-N4K6TL-TM	230 V, 1ph, 50 Hz, 4.6 kW	4038
32	CLOU	CP03KTL	230 V, 1ph, 50 Hz, 3 kVA	V00R00C01
33	CLOU	CP05KMTL	230 V, 1ph, 50 Hz, 5 kVA	V00R00C01
34	CLOU	CP20KTL	230/400 V, 3ph, 50 Hz, 20 kVA	V00R00C01

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35	Cyber Power	CPSPV5000ETL	230 V, 1ph, 50 Hz, 5 kW	Firmware (C): V01.15 Firmware (M): V01.12 Firmware (R): V01.01
36	DELTA	RPI H5A_120	230 V, 1ph, 50 Hz, 5 kVA	DSP : 0202 RED : 0200 COMM : 0206
37	DELTA	RPI H5A_020	230 V, 1ph, 50 Hz, 5 kVA	DSP : 0202 RED : 0200 COMM : 0206
38	DELTA	RPI-M20A	230/400 V, 3ph, 50 Hz, 20 kVA	DSP : 2.03 RED : 1.51 COMM : 1.80
39	DELTA	RPI M50A_120	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.41, 1.50, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.22, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.22, 1.50, 1.80, 2.20, 2.40
40	DELTA	RPI M50A_020	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.41, 1.50, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.22, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.22, 1.50, 1.80, 2.20, 2.40
41	DELTA	RPI M50A_121	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.41, 1.50, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.22, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.22, 1.50, 1.80, 2.20, 2.40
42	DELTA	RPI M50A_021	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.41, 1.50, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.22, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.22, 1.50, 1.80, 2.20, 2.40
43	DELTA	RPI M50A_122	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.41, 1.50, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.22, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.22, 1.50, 1.80, 2.20, 2.40
44	DELTA	RPI M50A_022	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.41, 1.50, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.22, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.22, 1.50, 1.80, 2.20, 2.40
45	DELTA	RPI M50A_12s	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.41, 1.50, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.22, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.22, 1.50, 1.80, 2.20, 2.40
46	DELTA	SOLIVIA 5.0APG3	230 V, 1ph, 50 Hz, 5 kW	1.0.3
47	EMERSON	SSL0250B	400 V, 3ph, 50 Hz, 250 kW	V110B000D000
				V120B000F201
48	EMERSON	SSL0500B	400 V, 3ph, 50 Hz, 500 kW	V110B000D000
				V120B000F201
49	EneTelus	EPC-A-S35MPT	230 V, 1ph, 50 Hz, 3.5 kW	1.02.01.04
				A0.-A1

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50	EneTelus	EPC-A-S55MPT	230 V, 1ph, 50 Hz, 5.5 kW	1.02.01.04
				A0.-A1
51	FRECON	F010i-4PVb	400 V, 3ph, 50 Hz, 10 kVA	SW Version: 2.0
52	FRONIUS	FRONIUS IG PLUS35V-1	230 V, 1ph, 50 Hz, 3.5 kW	5.11.09 VER
53	GOODWE	GW3000-NS	230 V, 1ph, 50 Hz, 3 kW	V1.11.11
54	GOODWE	GW5000D-NS	230 V, 1ph, 50 Hz, 5 kW	V1.00.00
55	GOODWE	GW5000-DT	230/400 V, 50 Hz, 5 kW	V1.10.00
56	GOODWE	GW10KN-DT	230/400 V, 50 Hz, 10 kVA	V1.10.00
57	Growatt	Growatt 1000	220 V, 1ph, 50 Hz, 1 kW	G.1.8
58	Growatt	Growatt 1500	220 V, 1ph, 50 Hz, 1.6 kW	G.1.8
59	Growatt	Growatt 2000	220 V, 1ph, 50 Hz, 2 kW	G.1.8
60	Growatt	Growatt 3000	220 V, 1ph, 50 Hz, 2.85 kW	G.1.8
61	Growatt	Growatt 3600 MTL-10	220 V, 1ph, 50 Hz, 3.6 kVA	AS1.0
62	Growatt	Growatt 4200 MTL-10	220 V, 1ph, 50 Hz, 4.2 kVA	AS1.0
63	Growatt	Growatt 5000 MTL-10	220 V, 1ph, 50 Hz, 4.6 kVA	AS1.0
64	Growatt	Growatt 10000UE	230/400 V, 3ph, 50 Hz, 10 kVA	Main Ver : 0D0.9 Comm Ver : 0C0.9
65	Growatt	Growatt 12000UE	230/400 V, 3ph, 50 Hz, 12 kVA	Main Ver : 0D0.9 Comm Ver : 0C0.9
66	Growatt	Growatt 18000UE	230/400 V, 3ph, 50 Hz, 18 kVA	Main Ver : 0D0.9 Comm Ver : 0C0.9
67	Growatt	Growatt 20000UE	230/400 V, 3ph, 50 Hz, 20 kVA	Main Ver : 0D0.9 Comm Ver : 0C0.9
68	Growatt	Growatt 20000TL3-HE-TH	230/400 V, 3ph, 50 Hz, 20 kVA	CAAA-1010
69	Hosola	Smart 3000TL	230 V, 1ph, 50 Hz, 3 kVA	V2.00
70	Hosola	Bright 4200MTL	230 V, 1ph, 50 Hz, 4.2 kVA	V2.00
71	Hosola	Bright 5000MTL	230 V, 1ph, 50 Hz, 5 kVA	V2.00
72	Huawei	SUN2000-12KTL	230/400 V, 3ph, 50 Hz, 12 kVA	V100R001
73	Huawei	SUN2000-20KTL	230/400 V, 3ph, 50 Hz, 20 kVA	V100R001
74	Huawei	SUN2000-33KTL	400 V, 3ph, 50 Hz, 30 kVA	V200R001
75	Huawei	SUN2000-36KTL	230/400 V, 3ph, 50 Hz, 36 kVA	V200R002
76	INVT	iMars MG3KTL	230 V, 1ph, 50 Hz, 3 kVA	Ver1 : V1.01 Ver2 : V1.01 MCU : V1.00

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77	INVT	iMars MG5KTL-2M	230 V, 1ph, 50 Hz, 4.6 kVA	Ver1 : V1.01 Ver2 : V1.01 MCU : V1.00
78	INVT	iMars BG10KTR	230/400 V, 3ph, 50 Hz, 10 kVA	Version1 : V1.20 Version2 : V1.20 MCU Version : V1.20
79	JFY	JSI-1500TL	230 V, 1ph, 50 Hz, 1.5 kW	V1.2
80	JFY	JSI-2000TL	230 V, 1ph, 50 Hz, 2 kW	V1.2
81	JFY	JSI-3000TL	230 V, 1ph, 50 Hz, 3 kW	V1.2
82	JFY	SUNTWINS 5000TL	230 V, 1ph, 50 Hz, 5 kW	E1.0
83	JFY	SUNTREE 10000TL	230/400 V, 3ph, 50 Hz, 10 kW	M1.00_S1.00
84	JFY	SUNTREE 15000TL	230/400 V, 3ph, 50 Hz, 15 kW	M1.00--S1.00
85	JFY	SUNTREE 20000TL	230/400 V, 3ph, 50 Hz, 20 kW	M1.00_S1.00
86	JFY	SUNTREE 30000TL	230/400 V, 3ph, 50 Hz, 30 kW	M1.00--S1.00
87	KACO	blueplanet 5.0 TL3	230/400 V, 3ph, 50 Hz, 5 kVA	PKT : V3.28 ARM : V3.46 (DA29) CFG : V5.0690 (AF34) DSP : V1.08 (A9A2)
88	KACO	blueplanet 6.5 TL3 M2 WM OD IIG0	400 V, 3ph, 50 Hz, 6.5 kVA	PKT : V3.25 ARM : V3.34 (BC95) CFG : V5.0600 (14D6) DSP : V1.05 (E715)
89	KACO	blueplanet 7.5 TL3 M2 WM OD IIG0	400 V, 3ph, 50 Hz, 7.5 kVA	PKT : V3.25 ARM : V3.34 (BC95) CFG : V5.0600 (14D6) DSP : V1.05 (E715)
90	KACO	blueplanet 9.0 TL3 M2 WM OD IIG0	400 V, 3ph, 50 Hz, 9.0 kVA	PKT : V3.25 ARM : V3.34 (BC95) CFG : V5.0600 (14D6) DSP : V1.05 (E715)

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91	KACO	Blueplanet 20.0 TL3 M2 WM OD IIG0	230/400 V, 3ph, 50 Hz, 20 kVA	PKT: V3.26 ARM: V3.90 (0BCC) CFG: V5.1322 (1F6C) DSP-AC: V2.06 (B6C6) DSP-DC: V2.03 (59AD)
92	KACO	KACO blueplanet 50.0 TL3 M1 WM OD IIGM	230/400 V, 3ph, 50 Hz, 50 kVA	PKT : V3.12 ARM : V3.70 (9D01) CFG : V5.1608 (5D88) DSP : V2.11 (3391)
93	KACO	Powador 10.0 TL3- INT	400 V, 3ph, 50 Hz, 9.0 kW	PKT : V3.01 ARM : V3.48 (7CA5) CFG : V5.0862 (4863) DSP-AC : V1.72 (3F7B) DSP-DC : V1.60 (13EE)
94	KACO	Powador 20.0 TL3- INT	400 V, 3ph, 50 Hz, 17 kW	PKT : V3.01 ARM : V3.48 (7CA5) CFG : V5.0862 (4863) DSP-AC : V1.72 (3F7B) DSP-DC : V1.60 (13EE)
95	KACO	Powador 30.0 TL3 - M – INT	230/400 V, 3ph, 50 Hz, 25 kVA	PKT : V3.25 ARM : V3.78 (2780) CFG : V5.1700 (7AD2) DSP-AC : V2.18 (4CBA) DSP-DC : V2.04 (7740)
96	KACO	Powador 30.0 TL3 - XL – INT	230/400 V, 3ph, 50 Hz, 25 kVA	PKT : V3.25 ARM : V3.78 (2780) CFG : V5.1700 (7AD2) DSP-AC : V2.18 (4CBA) DSP-DC : V2.04 (7740)
97	KACO	Powador 30.0 TL3 - XL - INT - SPD 1+2	230/400 V, 3ph, 50 Hz, 25 kVA	PKT : V3.25 ARM : V3.78 (2780) CFG : V5.1700 (7AD2) DSP-AC : V2.18 (4CBA) DSP-DC : V2.04 (7740)

No	Brand	Model/Type	Description	Firmware version
98	KACO	Powador 30.0 TL3 - XL - F - INT	230/400 V, 3ph, 50 Hz, 25 kVA	PKT : V3.25 ARM : V3.78 (2780) CFG : V5.1700 (7AD2) DSP-AC : V2.18 (4CBA) DSP-DC : V2.04 (7740)
99	KACO	Powador 30.0 TL3 - XL - F - SPD 1+2	230/400 V, 3ph, 50 Hz, 25 kVA	PKT : V3.25 ARM : V3.78 (2780) CFG : V5.1700 (7AD2) DSP-AC : V2.18 (4CBA) DSP-DC : V2.04 (7740)
100	KACO	Powador 39.0 TL3-XL-INT	230/400 V, 3ph, 50 Hz, 33.3 kVA	PKT : V2.20 ARM : V2.30 (C576) CFG : V5.0696 (9677) DSP-AC : V1.64 (E199) DSP-DC : V1.54 (8678)
101	KACO	Powador 60.0 TL3-XL-INT	230/400 V, 3ph, 50 Hz, 49.9 kVA	PKT : V2.20 ARM : V2.30 (C576) CFG : V5.0696 (9677) DSP-AC : V1.64 (E199) DSP-DC : V1.54 (8678)
102	KEHUA TECH	SPI20K-B	230/400 V, 50 Hz, 20 kW	HMI Version: V1.00 DSP1 Version: V1.00 DSP2 Version: V1.00
103	KLNE	Solartec D4000	230 V, 1ph, 50 Hz, 4 kW	Ver.11.16
104	KLNE	Solartec D5000	230 V, 1ph, 50 Hz, 4.9 kW	Ver.11.16
105	KOSTAL	PIKO 5.5	230/400 V, 3ph, 50 Hz, 5.5 kVA	FW 05.35 UI 06.11 HW 0100 PAR 02.49
106	KOSTAL	PIKO 20	230/400 V, 3ph, 50 Hz, 20 kW	FW 05.31 UI 06.02 HW 0100 PAR 02.46
107	KSTAR	KSG-5K-DM	230 V, 1ph, 50 Hz, 5 kW	DSP V1.0, ARM V1.0
108	KSTAR	KSG-20K	230/400 V, 3ph, 50 Hz, 20 kW	DSP V1.8, ARM V1.6
109	KSTAR	KSG-50K	230/400 V, 3ph, 50 Hz, 50 kW	DSP V1.8, ARM V1.6
110	LEAD SOLAR	LS1400S	230 V, 1ph, 50 Hz, 1.4 kW	LS1400_DCAC_20161222 LS1400_DCDC_20161222

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111	LEONICS	APOLLO G-4300TL(M)	230 V, 1ph, 50 Hz, 3 kW	DSP : 1.0; MCU : 0.20
112	LEONICS	APOLLO G-4500TL(M)	230 V, 1ph, 50 Hz, 5 kW	DSP : 1.0; MCU : 0.20
113	LEONICS	APOLLO GTP-4010TL	230/400 V, 3ph, 50 Hz, 10kVA	ARM VER : 1.3 DSP VER : 1.5
114	LEONICS	APOLLO GTP-4020TL	230/400 V, 3ph, 50 Hz, 20kVA	ARM VER : 1.3 DSP VER : 1.5
115	Litto	LS 3000HD	230 V, 50 Hz, 3 kVA	ARM:V1.050 DSP:V1.023
116	Litto	LS 5000HD	230 V, 50 Hz, 5 kVA	ARM:V1.038 DSP:V1.025
117	Litto	LT 10000HD	230/400 V, 50 Hz, 10 kVA	V1.050/V1.031/V1.0
118	Litto	LT 20000HD	230/400 V, 50 Hz, 20 kVA	V1.038/V1.040/V1.0
119	Omnik	Omnisol-4k-TL	230 V, 1ph, 50 Hz, 4 kW	Master : TH1-V1.0-0067-4 Slave : V2.0-0026
120	PrimeVOLT	PV-3000N-V	230 V, 1ph, 50 Hz, 3 kVA	BT0101
121	PrimeVOLT	PV-5000W-HV	230 V, 1ph, 50 Hz, 5 kW	TW0101
122	PrimeVOLT	PV-5000W-V	230 V, 1ph, 50 Hz, 5 kW	DE0101
123	PrimeVOLT	PV-10000T-U	230/400 V, 3ph, 50 Hz, 10 kW	TA0101
124	PrimeVOLT	PV-20000T-U	230/400 V, 3ph, 50 Hz, 20 kW	AR0101
125	Replus by Renesola	Replus 2000TLA	230 V, 1ph, 50 Hz, 2 kW	MCUF: V01.13 SCUF: V01.13
126	Replus by Renesola	Replus 3000MTLA	230 V, 1ph, 50 Hz, 3 kW	MCUF: V01.13 SCUF: V01.13
127	Replus by Renesola	Replus 5000MTLA	230 V, 1ph, 50 Hz, 5 kW	MCUF: V01.13 SCUF: V01.13
128	SAJ	Sununo-TL2K	230 V, 1ph, 50 Hz, 2 kW	MCUF: V01.13 SCUF: V01.13
129	SAJ	Sununo-TL3KA	230 V, 1ph, 50 Hz, 3 kW	MCUF: V01.13 SCUF: V01.13
130	SAJ	Sununo-TL4KB	230 V, 1ph, 50 Hz, 4 kW	MCUF: V01.13 SCUF: V01.13
131	SAJ	Sununo-TL5K	230 V, 1ph, 50 Hz, 5 kW	MCUF: V01.13 SCUF: V01.13
132	Samil Power	SolarRiver 2300TL	230 V, 1ph, 50 Hz, 2 kW	V1.00
133	Samil Power	SolarRiver 3000TL	230 V, 1ph, 50 Hz, 2.6 kW	V1.00
134	Samil Power	SolarRiver 3300TL	230 V, 1ph, 50 Hz, 3 kW	V1.00



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135	Samil Power	SolarRiver 4400TL	230 V, 1ph, 50 Hz, 4 kW	V1.00
136	Samil Power	SolarRiver 5200TL	230 V, 1ph, 50 Hz, 4.6 kW	V1.00
137	Samil Power	SolarRiver 3400TL-D	230 V, 1ph, 50 Hz, 3 kW	Master DSP SW : V1.00 Slave DSP SW : V1.00 HMI MCU SW : V1.00
138	Samil Power	SolarRiver 4500TL-D	230 V, 1ph, 50 Hz, 4 kW	Master DSP SW : V1.00 Slave DSP SW : V1.00 HMI MCU SW : V1.00
139	Samil Power	SolarRiver 5200TL-D	230 V, 1ph, 50 Hz, 4.6 kW	Master DSP SW : V1.00 Slave DSP SW : V1.00 HMI MCU SW : V1.00
140	Schneider Electric	Conext RL 3000 E	230 V, 1ph, 50 Hz, 3 kVA	DSP : 2.02, 2.5 RED : 2.00 COMM : 2.00
				DSP : 2.02, 2.5 RED : 2.00 COMM : 2.50
				DSP : 2.70 RED : 2.00 COMM : 2.70
141	Schneider Electric	Conext RL 3000 E-S	230 V, 1ph, 50 Hz, 3 kVA	DSP : 2.02, 2.5 RED : 2.00 COMM : 2.00
				DSP : 2.02, 2.5 RED : 2.00 COMM : 2.50
				DSP : 2.70 RED : 2.00 COMM : 2.70

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142	Schneider Electric	Conext RL 4000 E	230 V, 1ph, 50 Hz, 4 kVA	DSP : 2.02, 2.5 RED : 2.00 COMM : 2.00
				DSP : 2.02, 2.5 RED : 2.00 COMM : 2.50
				DSP : 2.70 RED : 2.00 COMM : 2.70
143	Schneider Electric	Conext RL 4000 E-S	230 V, 1ph, 50 Hz, 4 kVA	DSP : 2.02, 2.5 RED : 2.00 COMM : 2.00
				DSP : 2.02, 2.5 RED : 2.00 COMM : 2.50
				DSP : 2.70 RED : 2.00 COMM : 2.70
144	Schneider Electric	Conext RL 5000 E	230 V, 1ph, 50 Hz, 5 kVA	DSP : 2.02, 2.5 RED : 2.00 COMM : 2.00
				DSP : 2.02, 2.5 RED : 2.00 COMM : 2.50
				DSP : 2.70 RED : 2.00 COMM : 2.70

No	Brand	Model/Type	Description	Firmware version
145	Schneider Electric	Conext RL 5000 E-S	230 V, 1ph, 50 Hz, 5 kVA	DSP : 2.02, 2.5 RED : 2.00 COMM : 2.00
				DSP : 2.02, 2.5 RED : 2.00 COMM : 2.50
				DSP : 2.70 RED : 2.00 COMM : 2.70
146	Schneider Electric	Conext TL 20000 E	230/400 V, 3ph, 50 Hz, 20 kVA	DSP 1.79
147	Schneider Electric	Conext CL 20000 E	400 V, 3ph, 50 Hz, 20 kVA	COMM APPL : Ver02.02.01 CTRL DCAC : Ver02.02.01 CTRL DCDC : Ver02.02.01
				COMM APPL : Ver02.05.01 CTRL DCAC : Ver02.05.01 CTRL DCDC : Ver02.05.01
				COMM APPL : Ver02.08.01 CTRL DCAC : Ver02.08.01 CTRL DCDC : Ver02.08.01
148	Schneider Electric	Conext CL 25000 E	400 V, 3ph, 50 Hz, 25 kVA	COMM APPL : Ver02.02.01 CTRL DCAC : Ver02.02.01 CTRL DCDC : Ver02.02.01
				COMM APPL : Ver02.05.01 CTRL DCAC : Ver02.05.01 CTRL DCDC : Ver02.05.01
				COMM APPL : Ver02.08.01 CTRL DCAC : Ver02.08.01 CTRL DCDC : Ver02.08.01
149	Sineng	SSL0250B	400 V, 3ph, 50 Hz, 250 kW	V110B000D000
				V120B000F201
150	Sineng	SSL0500B	400 V, 3ph, 50 Hz, 500 kW	V110B000D000
				V120B000F201
151	SMA	SB 2500TLST-21	230 V, 1ph, 50 Hz, 2.5 kW	FW PACK 2.55 HP2.52

No	Brand	Model/Type	Description	Firmware version
152	SMA	SB 3000TLST-21	230 V, 1ph, 50 Hz, 3 kW	FW PACK 2.55 HP2.52
153	SMA	SB3.0-1AV-40	230 V, 1ph, 50 Hz, 3 kW	1.1.41.R
154	SMA	SB 3600TL-21	230 V, 1ph, 50 Hz, 3.68 kW	FW PACK 2.55 HP2.52
				FW PACK 2.80 HP2.52
155	SMA	SB 5000TL-21	230 V, 1ph, 50 Hz, 5 kW	FW PACK 2.55 HP2.52
				FW PACK 2.80 HP2.52
156	SMA	SB5.0-1AV-40	230 V, 1ph, 50 Hz, 5 kW	1.1.41.R
157	SMA	STP 9000TL-20	230/400 V, 3ph, 50 Hz, 9 kW	FW PACK 2.51 HP2.50
				FW PACK 2.53 HP2.50
158	SMA	STP 17000TL-10	230/400 V, 3ph, 50 Hz, 17 kW	FW PACK 2.55 HP2.52
159	SMA	STP 20000TLEE-10	230/400 V, 3ph, 50 Hz, 20kW	FW PACK 2.53 HP2.50
				FW PACK 2.54 HP2.50
160	SMA	STP 20000TL-30	400 V, 3ph, 50 Hz, 20 kW	Software package 02.80.XX.R <sup>(1)</sup> Software version 01.00.XX.R <sup>(1)</sup>
				Software package 02.81.XX.R <sup>(1)</sup> Software version 01.00.XX.R <sup>(1)</sup>
				FW PACK 2.82 HP1.01
				FW PACK 2.83 HP1.02
161	SMA	STP 25000TL-30	400 V, 3ph, 50 Hz, 25 kW	Software package 02.80.XX.R <sup>(1)</sup> Software version 01.00.XX.R <sup>(1)</sup>
				Software package 02.81.XX.R <sup>(1)</sup> Software version 01.00.XX.R <sup>(1)</sup>
				FW PACK 2.82 HP1.01
				FW PACK 2.83 HP1.02
162	Solar Edge	SE5000	230 V, 1ph, 50 Hz, 5 kW	DSP1/2:1.0210/2.0052
163	Solar Edge	SE10K	400 V, 3ph, 50 Hz, 10 kW	DSP1/2:1.0013/2.0019
164	Solar Edge	SE27.6K	230/400 V, 50 Hz, 27.6 kVA	DSP1/2:1.0013/2.0019
165	SOLAX	X1-LX3600	230 V, 1ph, 50 Hz, 3.68 kW	DSP1:2.17
				DSP2:2.02
166	SOLAX	X1-LX4600	230 V, 1ph, 50 Hz, 4.2 kW	DSP1:2.17
				DSP2:2.02
167	SOLAX	X1-LX5200	230 V, 1ph, 50 Hz, 4.6 kW	DSP1:2.17
				DSP2:2.02

No	Brand	Model/Type	Description	Firmware version
168	Steca	StecaGrid 4200	230 V, 1ph, 50 Hz, 4.2 kW	BF-API: 2.5.4 FBL: 1.1.1 APP: 3.51.0 PAR: 21.0.29
169	Thai Tabuchi	TPD-T250P6-TH	230/400 V, 3ph, 50 Hz, 25 kW	N1D0.01
170	TM Good We	GW4600-DS	230 V, 1ph, 50 Hz, 4.6 kW	V1.06
171	TM Good We	GW10K-DT	400 V, 3ph, 50 Hz, 10 kW	V1.05.06
172	TM Good We	GW20K-DT	400 V, 3ph, 50 Hz, 20 kW	V1.05.06
173	Tranergy	PVI3000TL	230 V, 1ph, 50 Hz, 2.8 kW	E1.00
174	Tranergy	PVI 5400TL	230 V, 1ph, 50 Hz, 4.6 kW	E1.00
175	Tranergy	TRI017KTL	230/400 V, 3ph, 50 Hz, 17 kW	Master : V W07 Slaver : V W07 HMI : V1.0.7
176	Tranergy	TRM033KTL	230/400 V, 3ph, 50 Hz, 33 kW	Master : M15 Slaver : M15 HMI : V1.24
177	V SOLAR	VSOLAR-3K-1PH	230 V, 1ph, 50 Hz, 3 kW	Ver.11.15
178	V SOLAR	VSOLAR-4K-1PH	230 V, 1ph, 50 Hz, 4 kW	Ver.11.14
179	V SOLAR	VSOLAR-5K-1PH	230 V, 1ph, 50 Hz, 4.9 kW	Ver.11.14
180	WOLONG	WL-4.6KS-TMS	230 V, 1ph, 50 Hz, 4 kW	B4-5K
181	ZEVERsolar	Eversol TL3000-20	230 V, 1ph, 50 Hz, 3 kW	E1.00
182	ZEVERsolar	Evershine TL5000-10	230 V, 1ph, 50 Hz, 5 kW	E1.00
183	ZEVERsolar	Eversol-TLC 15K	230/400 V, 3ph, 50 Hz, 15 kW	V1.00
184	ZEVERsolar	Eversol-TLC 20K	230/400 V, 3ph, 50 Hz, 20 kW	V1.00
185	ZEVERsolar	Zevelution 5000	230 V, 1ph, 50 Hz, 5 kW	E1.00
186	ZEVERsolar	Zevelution Pro 33K	400 V, 50 Hz, 33 kVA	MCU:V1.00 HMI: 15C28-600R