

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
7	ABB	PVI-3.6-TL-OUTD-S	230 V, 1ph, 50 Hz, 3.6 kW	C.0.3.5
				C.0.3.6
8	ABB	PVI-5000-TL-OUTD	230 V, 1ph, 50 Hz, 5 kW	C.0.3.5
				C.0.3.6
9	ABB	PVI-5000-TL-OUTD-S	230 V, 1ph, 50 Hz, 5 kW	C.0.3.5
				C.0.3.6
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
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

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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	Ablerex	ES3300	230 V, 1ph, 50 Hz, 3 kW	PV004800
				PV004802
22	Ablerex	ES5000	230 V, 1ph, 50 Hz, 5 kW	PV004800
				PV004802
23	Afore	HNS5000TL	230 V, 1ph, 50 Hz, 5 kW	H400S300
24	CEHE	EHE-N1K5TL-TM	230 V, 1ph, 50 Hz, 1.5 kW	4038
25	CEHE	EHE-N2KTL-TM	230 V, 1ph, 50 Hz, 2 kW	4038
26	CEHE	EHE-N3KTL-TM	230 V, 1ph, 50 Hz, 3 kW	4038
27	CEHE	EHE-N4KTL-TM	230 V, 1ph, 50 Hz, 4 kW	4038
28	CEHE	EHE-N4K6TL-TM	230 V, 1ph, 50 Hz, 4.6 kW	4038
29	DELTA	RPI H5A_120	230 V, 1ph, 50 Hz, 5 kVA	DSP : 0202
				RED : 0200 COMM : 0206
30	DELTA	RPI H5A_020	230 V, 1ph, 50 Hz, 5 kVA	DSP : 0202
				RED : 0200 COMM : 0206
31	DELTA	RPI-M20A	230/400 V, 3ph, 50 Hz, 20 kVA	DSP : 2.03
				RED : 1.51 COMM : 1.80
32	DELTA	RPI M50A_120	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.50, 1.80, 2.20, 2.40

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33	DELTA	RPI M50A_020	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.50, 1.80, 2.20, 2.40
34	DELTA	RPI M50A_121	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.50, 1.80, 2.20, 2.40
35	DELTA	RPI M50A_021	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.50, 1.80, 2.20, 2.40
36	DELTA	RPI M50A_122	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.50, 1.80, 2.20, 2.40
37	DELTA	RPI M50A_022	230/400 V, 3ph, 50 Hz, 50 kVA	DSP: 1.32, 1.40, 1.60, 1.80, 2.00 RED: 1.20, 1.40, 1.50, 1.70, 2.00 COMM: 1.18, 1.50, 1.80, 2.20, 2.40
38	DELTA	SOLIVIA 5.0APG3	230 V, 1ph, 50 Hz, 5 kW	1.0.3
39	EMERSON	SSL0250B	400 V, 3ph, 50 Hz, 250 kW	V110B000D000
				V120B000F201
40	EMERSON	SSL0500B	400 V, 3ph, 50 Hz, 500 kW	V110B000D000
				V120B000F201
41	EneTelus	EPC-A-S35MPT	230 V, 1ph, 50 Hz, 3.5 kW	1.02.01.04
				A0.-A1
42	EneTelus	EPC-A-S55MPT	230 V, 1ph, 50 Hz, 5.5 kW	1.02.01.04
				A0.-A1
43	FRECON	F010i-4PVb	400 V, 3ph, 50 Hz, 10 kVA	SW Version: 2.0
44	FRONIUS	FRONIUS IG PLUS35V-1	230 V, 1ph, 50 Hz, 3.5 kW	5.11.09 VER
45	Growatt	Growatt 1000	220 V, 1ph, 50 Hz, 1 kW	G.1.8
46	Growatt	Growatt 1500	220 V, 1ph, 50 Hz, 1.6 kW	G.1.8
47	Growatt	Growatt 2000	220 V, 1ph, 50 Hz, 2 kW	G.1.8
48	Growatt	Growatt 3000	220 V, 1ph, 50 Hz, 2.85 kW	G.1.8
49	Growatt	Growatt 3600 MTL-10	220 V, 1ph, 50 Hz, 3.6 kVA	AS1.0
50	Growatt	Growatt 4200 MTL-10	220 V, 1ph, 50 Hz, 4.2 kVA	AS1.0
51	Growatt	Growatt 5000 MTL-10	220 V, 1ph, 50 Hz, 4.6 kVA	AS1.0
52	Growatt	Growatt 10000UE	230/400 V, 3ph, 50 Hz, 10 kVA	Main Ver : 0D0.9 Comm Ver : 0C0.9
53	Growatt	Growatt 12000UE	230/400 V, 3ph, 50 Hz, 12 kVA	Main Ver : 0D0.9 Comm Ver : 0C0.9

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54	Growatt	Growatt 18000UE	230/400 V, 3ph, 50 Hz, 18 kVA	Main Ver : 0D0.9 Comm Ver : 0C0.9
55	Growatt	Growatt 20000UE	230/400 V, 3ph, 50 Hz, 20 kVA	Main Ver : 0D0.9 Comm Ver : 0C0.9
56	Hosola	Smart 3000TL	230 V, 1ph, 50 Hz, 3 kVA	V2.00
57	Hosola	Bright 4200MTL	230 V, 1ph, 50 Hz, 4.2 kVA	V2.00
58	Hosola	Bright 5000MTL	230 V, 1ph, 50 Hz, 5 kVA	V2.00
59	Huawei	SUN2000-12KTL	230/400 V, 3ph, 50 Hz, 12 kVA	V100R001
60	Huawei	SUN2000-20KTL	230/400 V, 3ph, 50 Hz, 20 kVA	V100R001
61	Huawei	SUN2000-33KTL	400 V, 3ph, 50 Hz, 30 kVA	V200R001
62	JFY	JSI-1500TL	230 V, 1ph, 50 Hz, 1.5 kW	V1.2
63	JFY	JSI-2000TL	230 V, 1ph, 50 Hz, 2 kW	V1.2
64	JFY	JSI-3000TL	230 V, 1ph, 50 Hz, 3 kW	V1.2
65	JFY	SUNTWINS 5000TL	230 V, 1ph, 50 Hz, 5 kW	E1.0
66	JFY	SUNTREE 10000TL	230/400 V, 3ph, 50 Hz, 10 kW	M1.00_S1.00
67	JFY	SUNTREE 15000TL	230/400 V, 3ph, 50 Hz, 15 kW	M1.00--S1.00
68	JFY	SUNTREE 20000TL	230/400 V, 3ph, 50 Hz, 20 kW	M1.00_S1.00
69	JFY	SUNTREE 30000TL	230/400 V, 3ph, 50 Hz, 30 kW	M1.00--S1.00
70	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)
71	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)
72	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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73	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)
74	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)
75	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)
76	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)
77	KLNE	Solartec D4000	230 V, 1ph, 50 Hz, 4 kW	Ver.11.16
78	KLNE	Solartec D5000	230 V, 1ph, 50 Hz, 4.9 kW	Ver.11.16
79	LEONICS	APOLLO G-4300TL(M)	230 V, 1ph, 50 Hz, 3 kW	DSP : 1.0; MCU : 0.20
80	LEONICS	APOLLO G-4500TL(M)	230 V, 1ph, 50 Hz, 5 kW	DSP : 1.0; MCU : 0.20
81	LEONICS	APOLLO GTP-4010TL	230/400 V, 3ph, 50 Hz, 10kVA	ARM VER : 1.3 DSP VER : 1.5
82	LEONICS	APOLLO GTP-4020TL	230/400 V, 3ph, 50 Hz, 20kVA	ARM VER : 1.3 DSP VER : 1.5
83	Omnik	Omniksol-4k-TL	230 V, 1ph, 50 Hz, 4 kW	Master : TH1-V1.0-0067-4 Slave : V2.0-0026
84	PrimeVOLT	PV-3000N-V	230 V, 1ph, 50 Hz, 3 kVA	BT0101
85	PrimeVOLT	PV-5000W-HV	230 V, 1ph, 50 Hz, 5 kW	TW0101
86	PrimeVOLT	PV-5000W-V	230 V, 1ph, 50 Hz, 5 kW	DE0101
87	PrimeVOLT	PV-10000T-U	230/400 V, 3ph, 50 Hz, 10 kW	TA0101

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88	Replus by Renesola	Replus 2000TLA	230 V, 1ph, 50 Hz, 2 kW	MCUF: V01.13 SCUF: V01.13
89	Replus by Renesola	Replus 3000MTLA	230 V, 1ph, 50 Hz, 3 kW	MCUF: V01.13 SCUF: V01.13
90	Replus by Renesola	Replus 5000MTLA	230 V, 1ph, 50 Hz, 5 kW	MCUF: V01.13 SCUF: V01.13
91	SAJ	Sununo-TL2K	230 V, 1ph, 50 Hz, 2 kW	MCUF: V01.13 SCUF: V01.13
92	SAJ	Sununo-TL3KA	230 V, 1ph, 50 Hz, 3 kW	MCUF: V01.13 SCUF: V01.13
93	SAJ	Sununo-TL4KB	230 V, 1ph, 50 Hz, 4 kW	MCUF: V01.13 SCUF: V01.13
94	SAJ	Sununo-TL5K	230 V, 1ph, 50 Hz, 5 kW	MCUF: V01.13 SCUF: V01.13
95	Samil Power	SolarRiver 2300TL	230 V, 1ph, 50 Hz, 2 kW	V1.00
96	Samil Power	SolarRiver 3000TL	230 V, 1ph, 50 Hz, 2.6 kW	V1.00
97	Samil Power	SolarRiver 3300TL	230 V, 1ph, 50 Hz, 3 kW	V1.00
98	Samil Power	SolarRiver 4400TL	230 V, 1ph, 50 Hz, 4 kW	V1.00
99	Samil Power	SolarRiver 5200TL	230 V, 1ph, 50 Hz, 4.6 kW	V1.00
100	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
101	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
102	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

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103	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
104	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
105	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

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106	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
107	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
108	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
109	Schneider Electric	Conext TL 20000 E	230/400 V, 3ph, 50 Hz, 20 kVA	DSP 1.79

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110	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
111	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
112	Sineng	SSL0250B	400 V, 3ph, 50 Hz, 250 kW	V110B000D000
				V120B000F201
113	Sineng	SSL0500B	400 V, 3ph, 50 Hz, 500 kW	V110B000D000
				V120B000F201
114	SMA	SB 2500TLST-21	230 V, 1ph, 50 Hz, 2.5 kW	FW PACK 2.55 HP2.52
115	SMA	SB 3000TLST-21	230 V, 1ph, 50 Hz, 3 kW	FW PACK 2.55 HP2.52
116	SMA	SB 3600TL-21	230 V, 1ph, 50 Hz, 3.68 kW	FW PACK 2.55 HP2.52
				FW PACK 2.80 HP2.52
117	SMA	SB 5000TL-21	230 V, 1ph, 50 Hz, 5 kW	FW PACK 2.55 HP2.52
				FW PACK 2.80 HP2.52
118	SMA	STP 9000TL-20	230/400 V, 3ph, 50 Hz, 9 kW	FW PACK 2.51 HP2.50
				FW PACK 2.53 HP2.50
119	SMA	STP 17000TL-10	230/400 V, 3ph, 50 Hz, 17 kW	FW PACK 2.55 HP2.52
120	SMA	STP 20000TLEE-10	230/400 V, 3ph, 50 Hz, 20kW	FW PACK 2.53 HP2.50
				FW PACK 2.54 HP2.50
121	SMA	STP 20000TL-30	400 V, 3ph, 50 Hz, 20 kW	Software package 02.80.XX.R ⁽¹⁾ Software version 01.00.XX.R ⁽¹⁾
				Software package 02.81.XX.R ⁽¹⁾ Software version 01.00.XX.R ⁽¹⁾

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122	SMA	STP 25000TL-30	400 V, 3ph, 50 Hz, 25 kW	Software package 02.80.XX.R ⁽¹⁾
				Software version 01.00.XX.R ⁽¹⁾
123	Steca	StecaGrid 4200	230 V, 1ph, 50 Hz, 4.2 kW	Software package 02.81.XX.R ⁽¹⁾
				Software version 01.00.XX.R ⁽¹⁾
124	TM Good We	GW4600-DS	230 V, 1ph, 50 Hz, 4.6 kW	BFAPI: 2.5.4 FBL: 1.1.1 APP: 3.51.0 PAR: 21.0.29
125	TM Good We	GW10K-DT	230 V, 1ph, 50 Hz, 4.6 kW	V1.06
126	TM Good We	GW20K-DT	400 V, 3ph, 50 Hz, 10 kW	V1.05.06
127	Tranergy	PVI3000TL	400 V, 3ph, 50 Hz, 20 kW	V1.05.06
128	Tranergy	PVI 5400TL	230 V, 1ph, 50 Hz, 2.8 kW	E1.00
129	Tranergy	TRI017KTL	230 V, 1ph, 50 Hz, 4.6 kW	E1.00
130	WOLONG	WL-4.6KS-TMS	230/400 V, 3ph, 50 Hz, 17 kW	Master : V W07 Slaver : V W07 HMI : V1.0.7
131	ZEVERsolar	Eversol TL3000-20	230 V, 1ph, 50 Hz, 4 kW	B4-5K
132	ZEVERsolar	Evershine TL5000-10	230 V, 1ph, 50 Hz, 3 kW	E1.00
133	ZEVERsolar	Eversol-TLC 15K	230 V, 1ph, 50 Hz, 5 kW	E1.00
134	ZEVERsolar	Eversol-TLC 20K	230/400 V, 3ph, 50 Hz, 15 kW	V1.00
			230/400 V, 3ph, 50 Hz, 20 kW	V1.00