



Compatible Inverters for FS2 and FS3 Series Modules

With Galvanic Isolation

This document provides a list of inverters that are compatible and approved for the usage with the First Solar FS Series 2 and FS Series 3 Modules. This list does not provide performance evaluations or comparisons between inverters and does not recommend a specific inverter manufacturer. Absence from the list does not indicate that there is an incompatibility with an inverter, only that First Solar has not completed the verification of the inverter.

First Solar warrants its FS Series 2 & 3 modules according to the First Solar Module Warranty Terms & Conditions (PD-5-102, "Module Warranty Terms & Conditions") provided modules are installed, operated and serviced as described in the First Solar User Guide (PD-5-200, "User Guide") and in the System Design and Application document (PD-2-303, "SDA").

First Solar requires all system designs to be submitted for review and approval via the SDA process; therefore, for warranty purposes, every system with First Solar modules must be covered by an SDA. Project Developers and/or Customers should request this document from First Solar and obtain approval prior to equipment procurement and installation.

Approval of the following listed inverters is based upon and in accordance with the inverter datasheet effective at the time of evaluation. Thus, changes in inverter specification after First Solar approval may nullify the confirmation of compatibility. First Solar reserves the right to change the approval requirements for the inverter as well as a possible revocation of the inverter approval list.



List of Compatible Inverters without Galvanic Isolation^{1,2,3}

Manufacturer	Series Name	Type	VOC Max	Comments	Series 2	Series 3
ABB	PVS800	57-0100kW-A	900	with external transformer	9	13
		57-0250kW-A	900	with external transformer	9	13
		57-0500kW-A	900	with external transformer	9	13
Advanced Energy	PV Powered	AE Solaron 333	1,000	This system is a BiPolar system putting 8 modules in series on both the Positive and Negative side.	10	15
		PVP 35kW	600		6	9
		PVP 50kW	600		6	9
		Solaron AE 500	750		7	11
AMK Antriebs- und Steuerungstechnik GmbH & Co. KG	AMKASYN	S 100-WT	1,000		10	15
		S 88-WT	1,000		10	15
Answer Drives S.r.l.	Solargate	PV7L	800		8	12
		PV7M	800	with external transformer	8	12
		PV8L	900		9	13
		PV8M	900	with external transformer	9	13
Aros	Sirio	125k	800		8	12
		125K-HV	880			13
		16k	800		8	12
		20k	800		8	12
		30k	800		8	12
		K100	800		8	12
		K100 HV	880			13

¹ First Solar FS Series 2&3 PV Modules have no exposed conductive surfaces and do not require equipment grounding as long as a clip length of 100mm for a standard 4 clip mounting is not exceeded.

² Calculation for maximum number of modules in series is based on -10°C cell temperature and 700W/m² irradiation.

³ Transformer "Yes" means that an internal or an external transformer is mandatory for the inverter



		K12	800		8	12
		K250	800		8	12
		K40	800		8	12
		K40 HV	880			13
		K80	800		8	12
		K80 HV	880			13
Beijing Corona Science & Technology Co., Ltd.	KNGI900	500HEA	900	with external transformer	9	13
Bonfiglioli Vectron	RPS 450	120	900		9	13
		170	900		9	13
		30	900		9	13
		60	900		9	13
	RPS TL	0280	900	with external transformer	9	13
		0310	900	with external transformer	9	13
		0340	900	with external transformer	9	13
		0380	900	with external transformer	9	13
		0420 (1000V option)	1,000	with external transformer	10	15
		0470	900	with external transformer	9	13
		0510	900	with external transformer	9	13
		0570	900	wit external transformer	9	13
		0620 (1000V option)	1,000	with external transformer	10	15
		0680	900	with external transformer	9	13
		0760	900	with external transformer	9	13
		0830 (1000V option)	1,000	with external transformer	10	15
		0850	900	wit external transformer	9	13
		0940	900	wit external transformer	9	13
		1040 (1000V option)	1,000	with external transformer	10	15
		1110	900	with external transformer	9	13
		1220 (1000V option)	1,000	with external transformer	10	15
		1460 (1000V option)	1,000	with external transformer	10	15
		0450	1,000	with external transformer/Approval only for FS Series 3		15



		0685	1,000	with external transformer/Approval only for FS Series 3	15
		0900	1,000	with external transformer/Approval only for FS Series 3	15
		1130	1,000	with external transformer/Approval only for FS Series 3	15
		1360	1,000	with external transformer/Approval only for FS Series 3	15
		1580	1,000	with external transformer/Approval only for FS Series 3	15
Conergy AG	Conergy Central	30	800		8 12
		40	800		8 12
		50	800		8 12
	IPG C	200 C	1,000	with external MV-transformer	10 15
		300 C	1,000	with external MV-transformer	10 15
	IPG K	110K	1,000	Conergy Smart Connect for max. system voltage of 1000V is mandatory	10 15
		280K	1,000	Conergy Smart Connect for max. system voltage of 1000V is mandatory	10 15
		300K	1,000	Conergy Smart Connect for max. system voltage of 1000V is mandatory	10 15
		40K	1,000	Conergy Smart Connect for max. system voltage of 1000V is mandatory	10 15
		60K	1,000	Conergy Smart Connect for max. system voltage of 1000V is mandatory	10 15
		80K	1,000	Conergy Smart Connect for max. system voltage of 1000V is mandatory	10 15
	Sun Profi	SP1300	450		4 6
		SP2500	450		4 6
		SP3100	450		4 6
		SP3400	600		6 9
CONVERTEAM SAS	ConverSOL	1000AI	900		9 13



		1275LI	1,200	10	14
		1500LI	1,200	10	14
		1700LI	1,200	10	14
		425 LI	1,200	10	14
		500 AI	900	9	13
		670AI	900	9	13
		850LI	1,200	10	14
	PSC	430MV - L - QC	1,000	10	15
		500MV - L - QC	1,000	10	15
Danfoss Solar Inverters A/S	ULX	1800	550	5	8
		3000	550	5	8
		3600	550	5	8
		5400	550	5	8
Delta Energy Systems	CI	100	900	9	13
	SI	2000	540	5	8
		2500	540	5	8
		3300	540	5	8
		5000	540	5	8
	Solivia	2.5	540	5	8
		3.0	540	5	8
		3.3	540	5	8
		5.0	540	5	8
		CM 100	900	9	13
		CM 77	900	9	13
		CM 88	900	9	13
		CS 44	900	9	13
		CS 55	900	9	13
		CS 66	900	9	13
Diehl Ako Stiftung & Co. KG	Platinum	100CS	900	9	13
		2100S	480	4	7



		2800S	780		7	11
		3100S	780		7	11
		3800S	780		7	11
		4300S	780		7	11
		4600S	780		7	11
		4601S	580	with external transformer/Approval only for FS Series 3		8
Elettronica Santerno	Sunway M Plus	M Plus 1300 E	600		6	9
		M Plus 2600 E	600		6	9
		M Plus 3600	600		6	9
		M Plus 3600 E	600		6	9
		M Plus 4300	600		6	9
		M Plus 4300 E	600		6	9
		M Plus 5300	600		6	9
		M Plus 6000	600		6	9
		M Plus 6400	600		6	9
		M Plus 7500	600		6	9
		M Plus 7800	600		6	9
	Sunway TG 1000V TE	TG 750 1000V TE	1,000	with external transformer	10	15
	Sunway TG 600V	TG 110 600V	740		7	11
		TG 135 600V	740		7	11
		TG 14 600V	740		7	11
		TG 19 600V	740		7	11
		TG 26 600V	740		7	11
		TG 30 600V	740		7	11
		TG 37 600V	740		7	11
		TG 42 600	740		7	11
		TG 61 600	740		7	11
		TG 90 600V	740		7	11
	Sunway TG 600V TE	TG 180 600V TE	740	with external transformer	7	11
		TG 230 600V TE	740	with external transformer	7	11
		TG 280 600V TE	740	with external transformer	7	11



		TG 290 600V TE	740	with external transformer	7	11
		TG 365 600V TE	740	with external transformer	7	11
		TG 455 600V TE	740	with external transformer	7	11
		TG 550 600V TE	740	with external transformer	7	11
	Sunway TG 800V	TG 120 800V	880		8	13
		TG 145 800V	880		8	13
		TG 35 800V	880		8	13
		TG 49 800V	880		8	13
		TG 57 800V	880		8	13
		TG 82 800V	880		8	13
	Sunway TG 800V TE	TG 175 800V TE	880	with external transformer	8	13
		TG 240 800V TE	880	with external transformer	8	13
		TG 300 800V TE	880	with external transformer	8	13
		TG 310 800V TE	880	with external transformer	8	13
		TG 385 800V TE	880	with external transformer	8	13
		TG 485 800V TE	880	with external transformer	8	13
		TG 610 800V TE	880	with external transformer	8	13
		TG 730 800V TE	880	with external transformer	8	13
Eltek Valere	THEIA	100kW	900		9	13
		2.0 HE-t	600		6	9
		2.9 HE-t	600		6	9
		20kW	900		9	13
		3.8 HE-t	600		6	9
		30kW	900		9	13
		4.4 HE-t	600		6	9
		50kW	900		9	13
	THEIA TL	150kW	900	with external MV transformer	9	13
		200kW	900	with external MV transformer	9	13
		250kW	900	with external MV transformer	9	13
		350kW	900	with external MV transformer	9	13
		500kW	900	with external MV transformer	9	13
		500KW with EIV Kit	950	with external MV transformer	9	14



Elvi_Universal	QCC	100k	800		8	12
		30k	800		8	12
		55k	800		8	12
Emerson	SSL	0100	1,000	with external transformer	10	15
		0250	1,000	with external transformer	10	15
		0500	1,000	with external transformer	10	15
		1000	1,000	with external transformer	10	15
FRIEM S.p.A.	RECon	30H-150	900	with external transformer	9	13
		30H-150-T	900		9	13
		30H-300	900	with external transformer	9	13
		30H-300-T	900		9	13
		30H-450	900	with external transformer	9	13
		30H-450-T	900		9	13
		30H-600	900	with external transformer	9	13
		30H-600-T	900		9	13
		30L-100	700	with external transformer	7	10
		30L-100-T	700		7	10
		30L-200	700	with external transformer	7	10
		30L-200-T	700		7	10
		30L-300	700	with external transformer	7	10
		30L-300-T	700		7	10
		30L-400	700	with external transformer	7	10
		30L-400-T	700		7	10
		60H-1200	900	with external transformer	9	13
		60H-1200-T	900		9	13
		60H-300	900	with external transformer	9	13
		60H-300-T	900		9	13
60H-600	900	with external transformer	9	13		
60H-600-T	900		9	13		
60H-900	900	with external transformer	9	13		
60H-900-T	900		9	13		
60L-200	700	with external transformer	7	10		



		60L-200-T	700		7	10
		60L-400	700	with external transformer	7	10
		60L-400-T	700		7	10
		60L-600	700	with external transformer	7	10
		60L-600-T	700		7	10
		60L-800	700	with external transformer	7	10
		60L-800-T	700		7	10
Fronius International GmbH	CL	36.0	600		6	9
		48.0	600		6	9
		60.0	600		6	9
	IG	15	500		5	7
		20	500		5	7
		2000	500		5	7
		2500-LV	500		5	7
		30	500		5	7
		300	530		5	7
		3000	500		5	7
		390	530		5	7
		40	500		5	7
		400	530		5	7
		4000	500		5	7
		4500LV	500		5	7
		500	530		5	7
		5100	500		5	7
		60 HV	530		5	7
	IG Plus	100	600		6	9
		100 V	600		6	9
		11.4-1 Uni	600		6	9
		120	600		6	9
		120 V	600		6	9
		150	600		6	9
		150 V	600		6	9



		30 V	600		6	9
		35	600		6	9
		35 V	600		6	9
		50	600		6	9
		50 V	600		6	9
		70	600		6	9
		70 V	600		6	9
Gamesa Corporación Tecnológica S.A.	Central Inverter	100kW	900		9	13
		500kW PLUS	1,000	with external transformer	10	15
GEFRAN S.p.A.	Radius Industrial	APV 100k-TL	1,000	with external transformer	10	15
		APV 250k-TL	1,000	with external transformer	10	15
		APV 270k-TL	1,000	with external transformer	10	15
		APV 330k-TL	1,000	with external transformer	10	15
Green Power	Power PV	10	900		9	13
		100	900		9	13
		20	900		9	13
		250	1,000		10	15
		30	900		9	13
		5	600		6	9
		50	900		9	13
		500	1,000		10	15
Helios Systems	HS	100	900		9	13
	HSC	1000C	900	with external transformer	9	13
	HSI	500	900	with external transformer	9	13
IBC Solar AG	ServeMaster	1650 HV	600		6	9
		1650 MV	450		4	6
		3300 HV	600		6	9
		3300 MV	450		4	6
		4600 HV	600		6	9
		4600 MV	450		4	6
IDS Trade AG	SOLO	500	1,000	with external transformer	10	15
Ingeteam GmbH	IngeconSun	500HE	900	with external transformer	9	13



		500HE (1000V option)	1,000	with external transformer	10	15
	IngeconSun Lite	2,5	550		5	8
		3,3	550		5	8
		5	550		5	8
	IngeconSun Power	100	900		9	13
		50	900		9	13
		60	900		9	13
		70	900		9	13
		80	900		9	13
		90	900		9	13
	IngeconSun Smart	10	900		9	13
		12,5	900		9	13
		15	900		9	13
		20	900		9	13
		25	900		9	13
		30	900		9	13
JEMA	IF	100	900		9	13
		20	900		9	13
		25	900		9	13
		30	900		9	13
		50	900		9	13
		60	900		9	13
		80	900		9	13
KACO Gerätetechnik GmbH	Blueplanet 02xi Series	1502xi	550		5	7
		2502xi	550		5	8
		3502xi	600		6	9
		5002xi	600		6	9
	Blueplanet XP100-U	H2	600		6	9
		H4	600		6	9
	Powador	14.0 TR3	600		6	9
		1501xi	500		5	7
		16.0 TR3	600		6	9

		18.0 TR3	600		6	9
		2002	600		6	9
		3002	600		6	9
		3501xi	500		5	7
		4202	600		6	9
		4501xi	500		5	7
		5002	600		6	9
		6002	600		6	9
		TS20-HV	800		8	12
		TS21-HV	800		8	12
	Powador XP	100-HV	1,000		10	15
		200-HV	1,000		10	15
		200-HV TL	1,000	with external transformer	10	15
		250-HV	1,000		10	15
		250-HV TL	1,000	with external transformer	10	15
		350-HV TL	1,000	with external transformer	10	15
Kostal Solar Electric GmbH	Piko	100	1,000		10	15
Leonics	Apollo GTP-500	GTP-501	600		6	9
		GTP-502	600		6	9
		GTP-503	600		6	9
		GTP-504	600		6	9
		GTP-505	600		6	9
		GTP-506	600		6	9
		GTP-507	600		6	9
		GTP-508	780			11
		GTP-509	780			11
		GTP-510	780			11
		GTP-511	780			11
		GTP-512	780			11
LTi REEnergy GmbH	PV Master-Station	PVMB 45-0270	900	Approved when used with an external transformer	9	13
		PVMB 45-0540	900	Approved when used with an	9	13



			external transformer		
	PVMB 45-0810	900	Approved when used with an external transformer	9	13
	PVMB 45-1080	900	Approved when used with an external transformer	9	13
	PVMC 45-0270	900	Approved when used with an external transformer	9	13
	PVMC 45-0540	900	Approved when used with an external transformer	9	13
	PVMC 45-0810	900	Approved when used with an external transformer	9	13
	PVMC 45-1080	900	Approved when used with an external transformer	9	13
	PVMI 45-0270	900	Approved when used with an external transformer	9	13
	PVMI 45-0540	900	Approved when used with an external transformer	9	13
	PVMI 45-0810	900	Approved when used with an external transformer	9	13
	PVMI 45-1080	900	Approved when used with an external transformer	9	13
PVmaster II	PVM 450-075 TT	900		9	13
	PVM 450-090 TT	900		9	13
	PVM 450-100 TT	900		9	13
	PVM 450-110 TT	900		9	13
	PVM 450-132 EN/EM	900	with external transformer	9	13
	PVM 450-175 EN/EM	900	with external transformer	9	13
	PVM 450-230 EN/EM	900	with external transformer	9	13
	PVM 450-270 EN/EM	900	with external transformer	9	13
	PVM2 45-132EM	900	Approved when used with external transformer	9	13
	PVM2 45-175EM	900	Approved when used with an external transformer	9	13
	PVM2 45-230EM	900	Approved when used with an external transformer	9	13
	PVM2 45-270EM	900	with external transformer	9	13
	PVM2 50-200EM	900	Transformer: Yes – modified MV transformer with taps to adjust the mpp window up to an minimal voltage of 450V is	9	13



				mandatory. (new mpp window: 450-850VDC)		
		PVM2 50-305EM	900	Transformer: Yes – modified MV transformer with taps to adjust the mpp window up to an minimal voltage of 450V is mandatory. (new mpp window: 450-850VDC)	9	13
Mastervolt	SunMaster	QS 1200	450		4	6
		QS 2000	450		4	6
		QS 3200	450		4	6
		QS 3200 Max-I	450		4	6
		QS 3500 Max-I	325		3	4
		QS 6400	450		4	6
		QS 6400 Max-I	450		4	6
	XL	10	550		5	8
		15	600		6	9
	XS	2000	450		4	6
		3200	600		6	9
		4300	550		5	8
		6500	600		6	9
Motech Industries Inc.	PVMate	2800E	600		6	9
		2900U	600		6	9
		3800E	600		6	9
		3840U	600		6	9
		4000E	600		6	9
		4900U	600		6	9
		5000E	600		6	9
		5300U	600		6	9
Nedap	Power Router	PR30S	600		6	9
		PR37S	600		6	9
		PR50S	600		6	9
Nextronex Energy Systems	RAY-MAX	150	1,000	with external transformer	10	15
		150 (600V)	600	To ensure a proper operation	6	9



				of this inverter in an 600V DC system, it is mandatory to change the taps on the coupling transformer to 208V. This action will allow to export power up to a minimum voltage of 318V DC.		
Oelmaier Technology GmbH	HS	100	900		9	13
PAIRAN GmbH	pesos	PVI 2300 T	500		5	7
Power Electronics	freesun HES	02500H	900	with external MV-transformer	9	13
		03000H	900	with external MV-transformer	9	13
		04000H	900	with external MV-transformer	9	13
		05000H	900	with external MV-transformer	9	13
		06000H	900	with external MV-transformer	9	13
		07000H	900	with external MV-transformer	9	13
		08000H	900	with external MV-transformer	9	13
		09000H	900	with external MV-transformer	9	13
		10000H	900	with external MV-transformer	9	13
	freesun LVT	0020	900		9	13
		0025	900		9	13
		0030	900		9	13
		0035	900		9	13
		0040	900		9	13
		0050	900		9	13
		0060	900		9	13
		0080	900		9	13
		0100	900		9	13
Power One Italy SpA	Aurora Lite	PVI-250.0-TL-CN	1,000	with external transformer	10	15
		PVI-500.0TL-CN	1,000	with external transformer	10	15
	Aurora Plus	PVI-110.0	1,000		10	15
		PVI-110.0-TL	1,000	with external transformer	10	15
		PVI-165.0	1,000		10	15
		PVI-165.0-TL	1,000	with external transformer	10	15
		PVI-220.0	1,000		10	15
		PVI-220.0-TL	1,000	with external transformer	10	15



		PVI-275.0	1,000		10	15
		PVI-275.0-TL	1,000	with external transformer	10	15
		PVI-330.0	1,000		10	15
		PVI-330.0-TL	1,000	with external transformer	10	15
		PVI-55.0	1,000		10	15
		PVI-Central-100	900		9	13
		PVI-Central-100-TL	900	with external transformer	9	13
		PVI-Central-150	900		9	13
		PVI-Central-150-TL	900	with external transformer	9	13
		PVI-Central-200	900		9	13
		PVI-Central-200-TL	900	with external transformer	9	13
		PVI-Central-250	900		9	13
		PVI-Central-250-TL	900	with external transformer	9	13
		PVI-Central-300	900		9	13
		PVI-Central-300-TL	900	with external transformer	9	13
		PVI-Central-50	900		9	13
	Aurora Trio	PVI-10.0-I-OUTD	520		5	7
		PVI-12.0-I-OUTD	520		5	7
	Aurora Ultra	1050.0-TL-OUTD-690	1,100	with external transformer	10	15
		1400.0-TL-OUTD-690	1,100	with external transformer	10	15
		700.0-TL-OUTD-690	1,100	with external transformer	10	15
	Aurora Uno	PVI-3.8-I-OUTD	520		5	7
		PVI-4.6-I-OUTD	520		5	7
RefuSol GmbH	Refu Sol	100k	850		8	12
		160K	850		8	12
		500K	950		9	14
		630K	950		9	14
RIELLO UPS	Helios Power	HP 100	800		8	12
		HP 25	800		8	12
		HP 33	800		8	12
		HP 40	800		8	12
		HP 64	800		8	12



		HP 80	800	8	12
Satcon	PowerGate Plus	100 kW	900	9	13
		135 kW	600	6	9
		1MW	900	9	13
		250 kW	900	9	13
		30 kW	600	6	9
		375 kW	600	6	9
		50 kW	600	6	9
		500 kW	900	9	13
		75 kW	600	6	9
	Solstice	500kW-CE	900	9	13
		500kW-UL/CSA	600	6	9
Schneider Electric	Conext	Core XC 540	1,000	10	15
		Core XC 630	1,000	10	15
		Core XC 680	1,000	10	15
Schüco International KG	IPE	100CT	900	9	13
		30CT	900	9	13
		60CT	900	9	13
	SGI plus	1500 T	500	5	7
		3500 T	500	5	7
		4500 T	500	5	7
SIAC	SOLEIL DSP	10	780	7	11
		100	780	7	11
		125	780	7	11
		15	780	7	11
		20	780	7	11
		200	780	7	11
		25	780	7	11
		250	780	7	11
		30	780	7	11
		40	780	7	11
		400	780	7	11



		50	780		7	11
		500	780		7	11
		60	780		7	11
		80	780		7	11
Siemens AG	SINVERT	1000 MS TL	1,000	with external transformer	10	15
		1000MS	900		9	13
		1300 MS	900		9	13
		1400MS	900		9	13
		1500 MS TL	1,000	with external transformer	10	15
		1700 MS	900		9	13
		2000 MS TL	1,000	with external transformer	10	15
		350M	900		9	13
		420M	900		9	13
		500 M TL	1,000	with external transformer	10	15
		700MS	900		9	13
		850MS	900		9	13
	SINVERT PVS	1000	1,000	wit external transformer	10	15
		1200	1,000	Transformer: Yes – modified MV transformer with multiple taps to adjust mpp window (min mpp 500V). Several manually reconnections could be needed during the lifetime of the system.	10	15
		1500	1,000	with external transformer	10	15
		1800	1,000	Transformer: Yes – modified MV transformer with multiple taps to adjust mpp window (min mpp 500V). Several manually reconnections could be needed during the lifetime of the system.	10	15
		2000	1,000	with external transformer	10	15
		500	1,000	with external transformer	10	15
		600	1,000	Transformer: Yes – modified MV transformer with multiple taps to adjust mpp window (min mpp 500V). Several manually	10	15



				reconnections could be needed during the lifetime of the system.		
		2400	1,000	Transformer: Yes – modified MV transformer with multiple taps to adjust mpp window (min mpp 500V). Several manually reconnections could be needed during the lifetime of the system.	10	15
SMA Solar Technology AG	Sunny Boy	1200	400		4	6
		1700	400		4	6
		2000 HF	700		7	10
		2500	600		6	9
		2500 HF	700		7	10
		3000	600		6	9
		3000 HF	700		7	10
		3300	500		5	7
		3800	500		5	7
		5000US	600		6	9
		6000US	600		6	9
		7000US	600		6	9
		700US	250		2	3
	Sunny Central	100	900		9	13
		1000MV	1,000		10	15
		1250 MV	1,000		10	15
		200	880		8	13
		250	880		8	13
		250HE	880		8	13
		350	880		8	13
		400HE	1,000		10	15
		400MV	1,000		10	15
		500CP	1,000	with external transformer	10	15
		500HE	1,000		10	15
		500HE-20	1,000	with external transformer	10	15



		500MV	1,000		10	15
		630CP	1,000	with external transformer	10	15
		630HE	1,000		10	15
		630HE-20	1,000	with external transformer	10	15
		630MV	1,000		10	15
		720 CP	1,000	with external transformer	10	15
		800MV	1,000		10	15
		800CP	1,000	Transformer: Yes – modified MV transformer with multiple taps to adjust mpp window (min mpp 500V). Several manually reconnections could be needed during the lifetime of the system.	10	15
		760 CP	1,000	Transformer: Yes – modified MV transformer with multiple taps to adjust mpp window (min mpp 530V). Several manually reconnections could be needed during the lifetime of the system.	10	15
		800HE-20	1,000	Transformer: Yes – modified MV transformer with multiple taps to adjust mpp window (min mpp 500V). Several manually reconnections could be needed during the lifetime of the system.	10	15
		900CP	1,000	Transformer: Yes – modified MV/HV transformer with multiple taps to adjust mpp window (min mpp 545V). Several manually reconnections could be needed during the lifetime of the system. Approved only for FS Series 3		15
	Sunny Mini Central	4600A	600		6	9
		5000A	600		6	9
		6000A	600		6	9
		7000HV	800		8	12
Socomec	SUNSYS	P03	900	with external transformer	9	13



		R01	900	9	13
		R02	900	9	13
Solectria Renewables, LLC	PVI	10KW	475	4	7
		13KW	475	4	7
		15KW	475	4	7
SOLUTRONIC GmbH	SOLEIL DSP	10	780	7	11
		100	780	7	11
		125	780	7	11
		15	780	7	11
		20	780	7	11
		200	780	7	11
		25	780	7	11
		250	780	7	11
		30	780	7	11
		40	780	7	11
		400	780	7	11
		50	780	7	11
		500	780	7	11
		60	780	7	11
		80	780	7	11
Sputnik Engineering GmbH	SolarMax C	100C	900	9	13
		20C	900	9	13
		25C	900	9	13
		300C	900	9	13
		30C	900	9	13
		330C-SV	900	with external transformer	9 13
		35C	900	9	13
		50C	900	9	13
		80C	900	9	13
	SolarMax TS	100TS	900	9	13
		300TS	900	9	13



		330TS-SV	900	with external transformer	9	13
		50TS	900		9	13
		80TS	900		9	13
Sungrow Power Supply Co., Ltd.	SG	100K3	900		9	13
		250K3	900		9	13
		500K3	900		9	13
		500KTL	900	with external transformer	9	13
		50K3	900		9	13
		630KTL	1,000	with external transformer	10	15
SunTechnics	STW	2000	800		8	12
		2800	800		8	12
		3800	800		8	12
		5000	800		8	12
Vacon	NXP	CH 64	1,000	with external transformer Sinusstrom Beaver for max. system voltage of 1000V is mandatory	10	15
	NXV	0600-4	900		9	13
Voltwerk electronics GmbH	VC	WL 110	1,000	Voltwerk Smart Connect for max. system voltage of 1000V is mandatory	10	15
		WL 280	1,000	Voltwerk Smart Connect for max. system voltage of 1000V is mandatory	10	15
		WL 300	1,000	Voltwerk Smart Connect for max. system voltage of 1000V is mandatory	10	15
Xantrex Technologies Inc.	GT	100-480	600		6	9
		100E	650		6	9
		2.8	600		6	9
		250-480	600		6	9
		3.8	600		6	9
		5.0	600		6	9
		500E	940		9	14
		500-MVX	600	with external transformer	6	9



		540E	1,000	with external transformer	10	15
		630E	1,000	with external transformer	10	15
				The 1000V version as well as an adjustment of the power tracking window range to a min. DC Voltage of 515V is mandatory.		
	XC	540	1,000	with external transformer	10	15
		630	1,000	with external transformer	10	15
Zigor CORPORACIÓN S.A.	Sunzet	100 T	800		8	12
		30 T	800		8	12
		50 T	800		8	12

