

1000-3000SP

The small inverter with power for private solar systems



Perfect for repowering
1 MPP Tracker



Wide input voltage range
Variable system planning



Suitable for outdoor use
Protection against dust and water jets



WLAN Quick install
via MaxLink App



Monitoring Portal
and Service Hotline



Compact dimensions
Low weight

Technical specifications

	1000SP	1500SP	2000SP	2500SP	3000SP
Input values					
MPPT voltage range	90 V ... 580 V	90 V ... 580 V	90 V ... 580 V	90 V ... 580 V	90 V ... 580 V
MPPT voltage range at nominal power	90 V ... 520 V	130 V ... 520 V	170 V ... 520 V	210 V ... 520 V	240 V ... 520 V
Maximum DC voltage	600 V				
Minimum DC voltage for startup	90 V				
Minimum DC voltage for shutdown	70 V				
Maximum DC current	13 A				
Maximum DC short circuit current	15 A				
Number of MPP trackers	1				
Number of string connections	1				
Connection type	Amphenol H4 (type MC4)				
Output values					
Rated output power	1,000 W	1,500 W	2,000 W	2,500 W	3,000 W
Maximum output apparent power	1,100 VA	1,650 VA	2,200 VA	2,750 VA	3,300 VA
Maximum AC current	4.8 A	7.2 A	9.5 A	11.9 A	14.3 A
Mains nominal voltage	230 V				
Mains voltage range	160 V ... 300 V				
Mains frequency	50 Hz / 60 Hz				
Mains frequency range	45 Hz ... 55 Hz / 55 Hz ... 65 Hz				
Power factor cos (φ)	Adjustable from 0.8 overexcited to 0.8 underexcited				
Distortion factor at rated output power	< 3 %				
Power input at night	< 1 W				
Connection type	Connector				
Efficiency					
Maximum efficiency	97.4 %	97.4 %	97.4 %	97.6 %	97.6 %
Euro efficiency	96.1 %	96.5 %	96.8 %	97.3 %	97.3 %
Ambient conditions					
Protection class	IP65				
Ambient temperature range	- 25 °C ... + 60 °C (Nominal power up to + 45 °C)				
Relative humidity	0 % ... 100 % (not condensing)				
Cooling	Air cooling				
Maximum operating height above sea level	2,000 m (without derating) / 4,000 m maximum				
Audible noise emissions	< 30 dB(A) @ 1 m				
Equipment					
Display	App over WLAN connection + LED				
Inverter topology	Transformerless				
DC disconnecter	Integrated				
DC polarity inversion protection	Integrated				
Protection class (IEC 62109-1)	I				
Overvoltage category (IEC 62109-1)	AC: III / DC: II				
Standard & guidelines					
EMV	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4				
Grid connection	EN50549-1, VDE-AR-N 4105, IEC61727, IEC62116, VDE 0126-1-1, CEI 0-21				
Device safety	IEC62109-1, IEC62109-2				
Interfaces					
Data communication	WLAN (optional: RS485, GPRS)				
Weight & dimensions					
Weight	8,8 kg				
Dimensions (W x H x D)	285 mm x 336 mm x 125 mm				
Warranty					
Standard warranty	5 years / optional 10 years				



The quality management system of SOLARMAX GmbH is certified according to ISO 9001.

The environmental management system is certified according to ISO 14001.

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Until
10 YEARS
Warranty