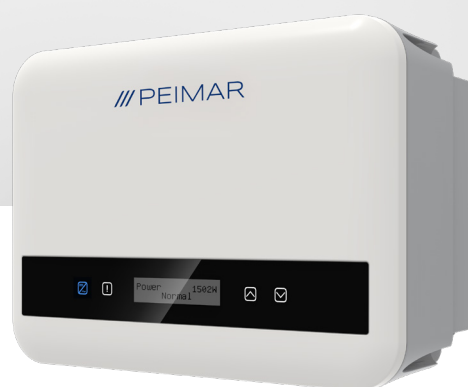


PSI-X1S1100-TL | PSI-X1S1500-TL | PSI-X1S2000-TL PSI-X1S2500-TL | PSI-X1S3000-TL

PSI-X1S Series



10 years
Product warranty



PEIMAR X PORTAL
For remote monitoring

DC Input	PSI-X1S1100-TL	PSI-X1S1500-TL	PSI-X1S2000-TL	PSI-X1S2500-TL	PSI-X1S3000-TL
Max. DC power	2200 W	3000 W	4000 W	5000 W	6000 W
Max. DC voltage	450 V			550 V	
MPPT Voltage range	40 - 450 V			40 - 550 V	
Nominal DC Voltage	360 V				
Startup Voltage	50 V				
Max. DC Input Current	16 A				
Max. Short Circuit Current	22 A				
Number DC Connection per MPPT	1				
Number of MPPT	1				
DC Switch (DC - PV2)	Integrated				

Accessories

Measuring device (not included)	PSI-X-IPMETER-ZI (hardware not included)
Functions	Measurement of the power of the energy consumption (self-consumption) and function of the limit of power consumption
Meter - inverter connection cable	10 m connection cable and RJ45 connector (supplied with the PSI-X-IPMETER-ZI meter) For longer lengths (maximum 100 m) use CAT5 data cable (supply not included)

AC Output	PSI-X1S1100-TL	PSI-X1S1500-TL	PSI-X1S2000-TL	PSI-X1S2500-TL	PSI-X1S3000-TL
Nominal output power	1100 W	1500 W	2000 W	2500 W	3000 W
Max. output apparent power	1210 VA	1650 VA	2200 VA	2750 VA	3300 VA
Nominal output current	4,8 A at 230 V	6,5 A at 230 V	8,7 A at 230 V	10,9 A at 230 V	13,1 A at 230 V
Max. output current	5,5 A	7,5 A	10 A	12,5 A	15 A
Nominal grid voltage	220 V / 230 V / 240 V; 90 – 285 V			220 V / 230 V / 240 V; 90 – 290 V	
Nominal grid frequency	50 Hz, 60 Hz / ± 5Hz				
Displacement power factor [cos ϕ]	0,8 leading – 0,8 lagging				
THDi (Rated power)	< 3%				
AC Connection	Single Phase 1L + N + PE				

System Data

Max. efficiency	98%				
Euro efficiency	96%	97%			

General Data

Isolation Type	Transformerless		
Standby consumption (night)	< 1 W		
Operating temperature range	-25 °C ~ +60 °C		
Cooling concept	Natural cooling		
Relative humidity	0% ~ 100% without condensation		
Max. operation altitude	4000 m		
Typical noise emission	< 25 dB		
Storage temperature	-30 °C ~ +70 °C		
Overvoltage category	II (DC input), III (AC output)		
Ingress protection	IP66		
Mounting system	Wall bracket		
Dimensions (H x W x D)	290 x 206 x 120 mm		
Weight	5,2 kg		5,5 kg
Warranty	10 years		

Interface

AC Output	AC Output Plug connector				
DC connection	MC4 / H4 or compatible connectors				
LCD	Display LCD Integrated				
LED	LED (2)				
Communication Interfaces	Dongle (USB port for Wi-Fi/Ethernet module) RS485 (RJ45 port for external communication)				
Monitoring Dongle	Wi-Fi (mod. PSI-X-H-WIFI-3.0 optional) LAN (mod. PSI-X-H-ETH-3.0 optional)		Wi-Fi (PSI-X-H-WIFI-3.0 module included) LAN (optional PSI-X-H-ETH-3.0 module)		

Protection

Over / under voltage protection DC / AC	Integrated
DC isolation protection	Integrated
GFCI monitoring	Integrated
Power grid monitoring	Integrated
DC injection monitoring	Integrated
Backfeed current monitoring	Integrated
Residual current detection	Integrated
Anti-islanding protection	Integrated
Thermal protection	Integrated
SPD (DC / AC)	Type II / Type II
Arc-fault circuit interrupter (AFCI)	Optional
AC auxiliary power supply (APS)	Integrated

Certifications

For a complete list of certificates, please refer to www.peimar.com

