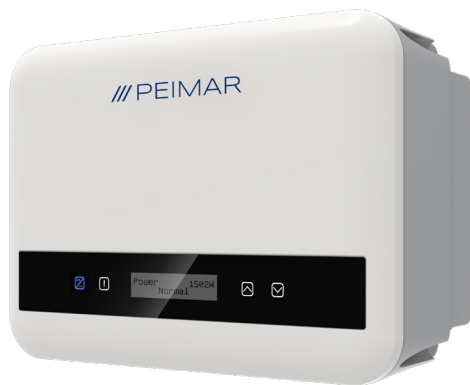


PSI-X1S1100-TL (A) | PSI-X1S1500-TL (A)

PSI-X1S2000-TL (A) | PSI-X1S2500-TL (A) | PSI-X1S3000-TL (A)

PSI-X1S SERIE | SINGLE-PHASE PV INVERTER



- ✓ **EQUIPPED WITH A DISPLAY**
Which offers a rapid commissioning and direct control
- ✓ **PEIMAR X PORTAL**
For remote monitoring, data reading and programming
- ✓ **1 MPPT**
- ✓ **IP66**

DC Input	PSI-X1S1100-TL (A)	PSI-X1S1500-TL (A)	PSI-X1S2000-TL (A)	PSI-X1S2500-TL (A)	PSI-X1S3000-TL (A)
Max. PV input power	2200 W	3000 W	4000 W	5000 W	6000 W
Max. PV input 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-1PMETER-ZI for current up to 80 A
Functions	Measurement of electrical parameters for management of external loads
Meter - inverter connection cable	10 m connecting cable and RJ45 plug (supplied with meter PSI-X-1PMETER-ZI) For longer lengths (maximum 100 m) use CAT5 data cable (supply not included)

AC Output	PSI-X1S1100-TL (A)	PSI-X1S1500-TL (A)	PSI-X1S2000-TL (A)	PSI-X1S2500-TL (A)	PSI-X1S3000-TL (A)
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 a 230 V	6,5 A a 230 V	8,7 A a 230 V	10,9 A a 230 V	13,1 A a 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×W×D)	290 x 206 x 120 mm			
Weight	5,2 kg			5,5 kg
Warranty	10 years			

Interface

AC Output	Plug connector			
DC connection	MC4 / H4 or compatible connectors			
LCD	Display LCD Integrated			
LED	LED (2 lights)			
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)	Included for LATAM
AC auxiliary power supply (APS)	Integrated

Certifications

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