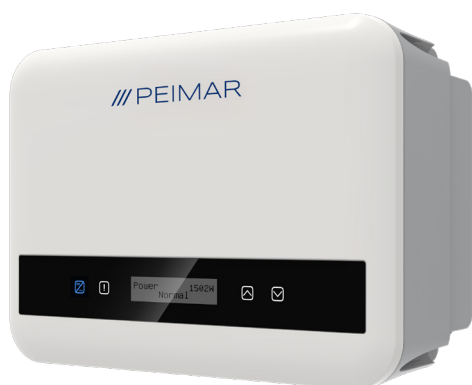


## PSI-X1S1100-TL | PSI-X1S1500-TL

## PSI-X1S2000-TL | PSI-X1S2500-TL

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	PSI-X1S1500-TL	PSI-X1S2000-TL	PSI-X1S2500-TL
Max. PV input power	2200 W	3000 W	4000 W	5000 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	PSI-X1S1500-TL	PSI-X1S2000-TL	PSI-X1S2500-TL
Nominal output power	1100 W	1500 W	2000 W	2500 W
Max. output apparent power	1210 VA	1650 VA	2200 VA	2750 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
Max. output current	5.5 A	7.5 A	10 A	12.5 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)	Optional
AC auxiliary power supply (APS)	Integrated

## Certifications

For a complete list of certificates, please refer to [www.peimar.com](http://www.peimar.com)