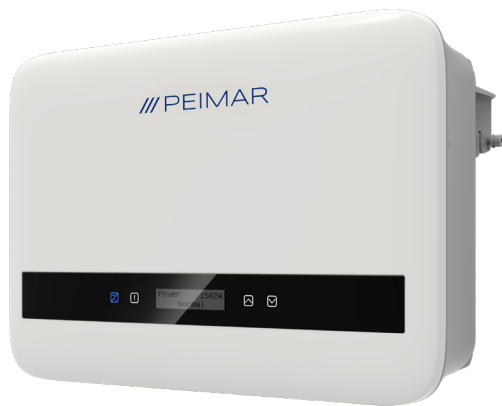


PSI-X1S3000-TLM (A) | PSI-X1S4200-TLM (A) PSI-X1S5000-TLM (A) | PSI-X1S6000-TLM (A)

PSI-X1S SERIE | SINGLE-PHASE PV INVERTER



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

DC Input	PSI-X1S3000-TLM (A)	PSI-X1S4200-TLM (A)	PSI-X1S5000-TLM (A)	PSI-X1S6000-TLM (A)
Max. PV input power	6000 W	8000 W	10000 W	12000 W
Max. power (MPPT1 / MPPT2)	3300 / 3300 W	4620 / 4620 W	5000 / 5000 W	6000 / 6000 W
Max. PV input voltage	600 V			
MPPT Voltage range	40 - 560 V			
Nominal DC Voltage	360 V			
Startup Voltage	50 V			
Maximum DC input current for each MPPT	16 / 16 A			
Maximum short-circuit current for each MPPT	22 / 22 A			
Number DC Connection per MPPT	1			
Number of MPPT	2			
DC Switch (DC - PV2)	Integrated			

Accessories

Measuring device (not included)	PSI-X-1PMETER-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-1PMETER-ZI meter) For longer lengths (maximum 100 m) use CAT5 data cable (supply not included)

AC Output	PSI-X1S3000-TLM (A)	PSI-X1S4200-TLM (A)	PSI-X1S5000-TLM (A)	PSI-X1S6000-TLM (A)
Nominal output power	3000 W	4200 W	5000 W	6000 W
Max. output apparent power	3300 VA	4620 VA	5000 VA	6000 VA
Nominal output current	13 A a 230 V	18,3 A a 230 V	21,7 A a 230 V	26,1 A a 230 V
Max. output current	14,4 A	20,1 A	21,7 A	27,3 A
Nominal grid voltage	220 V, 230 V, 240 V / 90 - 290 V			
Nominal grid frequency	50 Hz, 60 Hz / \pm 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	97 %

General Data

Isolation Type	Transformerless
Standby consumption (night)	< 3 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)	404 x 274 x 146 mm
Weight	11 kg
Warranty	10 years

Interface

AC Output	Plug connector (3 Wires)
DC connection	MC4 / H4 or compatible connectors
LCD	Display LCD Integrated
LED	LED (2 lights - Status & Alarm)
Communication Interfaces	Dongle (USB port for Wi-Fi / Ethernet module) COM / CT (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)

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