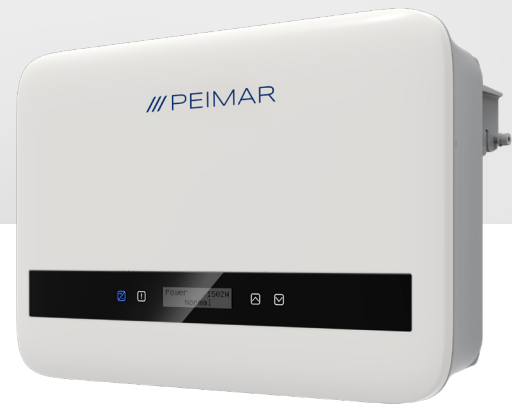


PSI-X1S3000-TLM | PSI-X1S4200-TLM

PSI-X1S5000-TLM | PSI-X1S6000-TLM

PSI-X1S Series



10 years
Product warranty



PEIMAR X PORTAL
For remote monitoring

| DC Input | PSI-X1S3000-TLM | PSI-X1S4200-TLM | PSI-X1S5000-TLM | PSI-X1S6000-TLM |
|---|-----------------|-----------------|-----------------|-----------------|
| 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-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-X1S3000-TLM | PSI-X1S4200-TLM | PSI-X1S5000-TLM | PSI-X1S6000-TLM |
|---|----------------------------------|-----------------|-----------------|-----------------|
| 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 at 230 V | 18,3 A at 230 V | 21,7 A at 230 V | 26,1 A at 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 / ± 5 Hz | | | |
| 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) | Optional |
| AC auxiliary power supply (APS) | Integrated |

Certifications

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

