

# PSI-X1P3000-TLM | PSI-X1P4200-TLM

# PSI-X1P5000-TLM | PSI-X1P6000-TLM

## PSI-X1P Series



**10 years**  
Product warranty



**PEIMAR X PORTAL**  
Remote monitoring

DC Input	PSI-X1P3000-TLM	PSI-X1P4200-TLM	PSI-X1P5000-TLM	PSI-X1P6000-TLM
Max. PV input power	4500 W	6300 W	7500 W	9000 W
Max. PV input voltage	3000 / 3000 V	4200 / 4200 V	4500 / 4500 V	4500 / 4500 V
MPPT voltage range	600 V			
Nominal input voltage	70 - 580 V			
Startup voltage	360 V			
Minimum PV input voltage	100 V			
Max. input current per MPPT	70 A			
Max. short circuit current per MPPT	14 / 14 A			
No. of Strings per MPPT	18 / 18 A			
No. of MPPTs	1 / 1			
DC Switch (DC-PV2)	2			
Sezionatore CC (DC-PV2)	Integrated			

### Accessori

Meter compatibile	PSI-X-IPMETER-ZI (not included)
Funzionalità	Measurement of grid load power (self-consumption) and export power limitation function
Cavo di collegamento meter - inverter	10 m connection cable and RJ45 plug (supplied with the PSI-X-IPMETER-ZI meter). For longer distances (maximum 100 m), use a CAT5 data cable (not included).

AC Output	PSI-X1P3000-TLM	PSI-X1P4200-TLM	PSI-X1P5000-TLM	PSI-X1P6000-TLM
Nominal AC output power	3000 W	4200 W	5000 W	6000 W
Max. AC output apparent power	3300 VA	4620 VA	5500 VA	6600 VA
Nominal AC output current	13 A to 230 V	18,3 A to 230 V	21,7 A to 230 V	26,1 A to 230 V
Max. AC output current	14,3 A	20,1 A	23,9 A	28,7 A
Nominal AC voltage	220 V, 230 V, 240 V / 180 - 280 V			
Grid frequency	50 Hz, 60 Hz / $\pm$ 5Hz			
Displacement power factor [cos $\phi$ ]	0,8 leading - 0,8 lagging			
THDi (Rated power)	< 2%			
AC Connection	Single Phase 1L + N + PE			

## System Data

Max. efficiency	97,8%
Euro efficiency	97,0%
MPPT efficiency	99,9%

## General Data

Isolation Type	Transformerless
Standby consumption (night)	< 2 W
Operating temperature range	-25 °C ~ +60 °C (derating above +45 °C)
Cooling concept	Natural cooling
Relative humidity	0% ~ 100% without condensation
Max. operation altitude	3000 m
Typical noise emission	< 30 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)	430 x 341,5 x 143 mm
Weight	13,5 kg
Warranty	10 years

## Interface

AC Output	Connettore a spina
PV Connection	MC4 / H4 o connettori compatibili
LCD	Display LCD retroilluminato
LED	LED (2 Luci)
Communication Interfaces	Dongle (porta USB per modulo Wi-Fi/Ethernet) Upgrade (porta USB per aggiornamento firmware) / RS485 (porta RJ45 per comunicazione esterna)
Monitoring Dongle	Wi-Fi (modulo PSI-X-H-WIFI-3.0 incluso) LAN (modulo PSI-X-H-ETH-3.0 opzionale)

## Protection

Over / under voltage protection	Integrated
DC isolation protection	Integrated
Monitoring ground fault protection	Integrated
Grid monitoring	Integrated
DC injection monitoring	Integrated
Back feed current monitoring	Integrated
Residual current detection	Integrated
Anti-islanding protection	Integrated
Over temperature protection	Integrated
SPD (DC / AC)	Integrated

## Certifications

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

