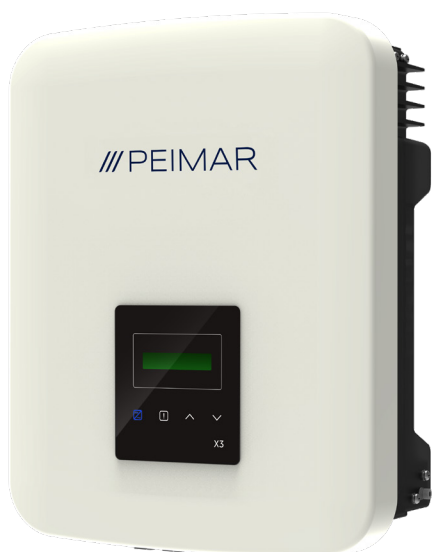


PSI-X3P6000-TP | PSI-X3P8000-TP

PSI-X3P10000-TP

PSI-X3P SERIES | THREE PHASE INVERTER



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

DC Input	PSI-X3P6000-TP	PSI-X3P8000-TP	PSI-X3P10000-TP
Max. PV input power	9000 W (max 6 kW per MPPT)	12000 W (max 8 kW per MPPT)	15000 W (max 10 kW per MPPT)
Max. PV input voltage	1000 V		
MPPT voltage range	120 - 980 V		
Nominal input voltage	640 V		
Startup voltage	150 V		
Minimum PV input voltage	120 V		
Max. input current per MPPT	16 / 16 A	16 / 16 A	16 / 16 A
Max. short circuit current per MPPT	20 / 20 A	20 / 20 A	20 / 20 A
No. of Strings per MPPT	1 / 1	1 / 1	1 / 1
No. of MPPTs	2		
DC Switch (DC-PV2)	Integrated		

AC Output	PSI-X3P6000-TP	PSI-X3P8000-TP	PSI-X3P10000-TP
Nominal AC output power	6000 W	8000 W	10000 W
Max. AC output apparent power	6600 VA (6000 VA using a single MPPT)	8800 VA (8000 VA using a single MPPT)	11000 VA (8000 VA using a single MPPT)
Nominal AC output current	9.1 A to 380 V / 8.7 A to 400 V	12.2 A to 380 V / 11.6 A to 400 V	15.2 A to 380 V / 14.5 A to 400 V
Max. AC output current	9.6 A	12.8 A	16.0 A
Nominal AC voltage	220/380 V, 230/400 V		
Grid frequency	50 / 60 Hz		
Displacement power factor [cos φ]	0.8 leading - 0.8 lagging		
THDi (Rated power)	< 3 %		
AC Connection	Three Phase 3L + N + PE		

System Data

Max. efficiency	98.3 %
Euro efficiency	97.8 %
MPPT efficiency	99.9 %

General Data

Isolation Type	Transformerless		
Standby consumption (night)	< 3 W		
Operating temperature range	-30°C - +60°C (derating above +45°C)		
Cooling concept	Natural cooling	Smart fan cooling and Natural cooling	
Relative humidity	0% - 100% without condensation		
Max. operation altitude	4000 m (derating above 3000 m)		
Typical noise emission	< 30 dB	< 45 dB	< 45 dB
Storage temperature	-30°C - +60°C		
Overvoltage category	II (DC Input), III (AC Output)		
Ingress protection	IP66		
Mounting system	Wall bracket		
Dimensions (H×W×D)	434 x 342 x 144.5 mm	434 x 342 x 156 mm	434 x 342 x 156 mm
Weight	15.5 kg	17 kg	17 kg
Warranty	10 years		

Interface

AC Output	Plug-in connector		
PV Connection	MC4 or compatible connectors		
LCD	Display LCD Integrated		
LED	LED (2)		
Language	Italian / English		
Communication Interfaces	Dongle (USB port for Wi-Fi/Ethernet module) / RS485 (RJ45 port for external communication)		
Monitoring Dongle	Wi-Fi (PSI-X-H-WIFI-3.0 module Integrated) / LAN (PSI-X-H-ETH-3.0 module Optional)		

Protection

Over/under voltage protection	Integrated
DC isolation protection	Integrated
DC reverse protection	Integrated
Grid monitoring	Integrated
DC injection monitoring	Integrated
Back feed current monitoring	Integrated
Residual current detection	Integrated
Anti-landing protection	Integrated
Over temperature protection	Integrated
SPD (DC/AC)	Integrated

Certifications

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