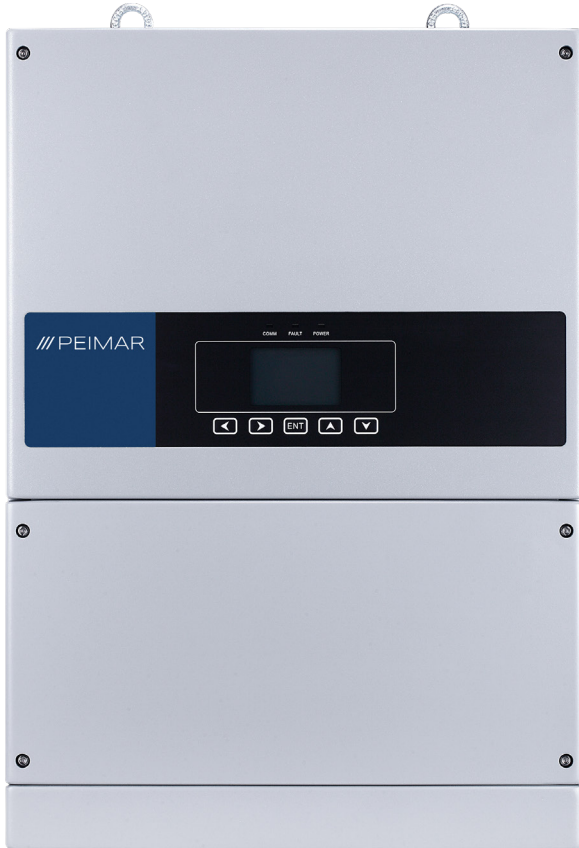


PSI-J12000-TP PSI-J15000-TP | PSI-J17000-TP | PSI-J20000-TP



EDITUS LINE | THREE PHASE INVERTER

FLEXIBLE AND EFFICIENT

- MPPT efficiency higher than 99.9%
- Asymmetric dual MPPT, compatible with several types of solar arrays
- Max. efficiency higher than 98.3%, european efficiency higher than 98.0%
- Super wide input voltage range (180 V - 1000 V), supporting various solar panels and string designs

CONVENIENT INSTALLATION

- Dedicated section for quick installation and maintenance
- MC4 connectors supplied with the inverter

SMART AND EASY TO USE

- Built-in independent RTC chip, supporting data storage of 25 years
- Integrated LCD graphical display, showing daily / monthly / yearly generation
- Integrated RS-232 with Ethernet interface, for better communication
- Free web monitoring system
- Local and remote intelligent management by PC, iOS and Android devices
- Automatic regulation of the active and reactive power supplied to the grid

SAFE AND RELIABLE

- IP65 protection for indoor and outdoor installation
- Aluminum case design to enhance heat dissipation and prevent rust corrosion, prolong life time
- Built-in high voltage DC switch
- Overvoltage protection with SPD type 2 AC side and DC side
- Integrated monitoring of the currents of singular string

CERTIFICATES

For a complete list of certificates visit www.peimar.com

2

MPPT



INTEGRATED MONITORING



BUILT-IN STRING PROTECTIONS



QUICK PARAMETERS CONFIGURATION
with Web Monitoring System



FREE APP FOR IOS AND ANDROID
to read data in real time

INPUT DC

	PSI-J12000-TP	PSI-J15000-TP	PSI-J17000-TP	PSI-J20000-TP
Max. DC Power	18000 W	22500 W	22500 W	37500 W
Max. DC Voltage	1000 V	1000 V	1000 V	1000 V
MPPT Voltage range	180-900 V	180-900 V	180-900 V	180-900 V
Nominal DC Voltage	600 V	600 V	600 V	600 V
Start Voltage	200 V	200 V	200 V	200 V
Min. DC Voltage	180 V	180 V	180 V	180 V
Max. DC Input Current	22 / 11 A	22 / 22 A	22 / 22 A	22 / 22 A
Max. Short Circuit Current	26.4 / 13.2 A	26.4 / 26.4 A	26.4 / 26.4 A	26.4 / 26.4 A
N. DC Connection per MPPT	2 / 1	2 / 2	2 / 2	2 / 2
Number of MPPT	2	2	2	2
DC Switch (DC21B)	Integrated	Integrated	Integrated	Integrated

OUTPUT AC

Rated AC Power	12000 W	15000W	17000 W	20000 W
Max. AC Power	13200 W	16500 W	18700 W	22000 W
Rated AC Current	17.4 A	21.7 A	25.8 A	29.0 A
Max. AC Current	20.0 A	25.0 A	28.3 A	33.0 A
Nominal AC Voltage / Range	220 / 380 V, 230 / 400 V, 240 / 415 V; 180 - 280 V / 312 - 485 V			
Grid frequency / Range	50Hz, 60Hz / 44 - 55Hz, 54 - 65Hz			
Power factor [cos φ]	0.8 leading - 0.8 lagging			
Total Harmonic Distortion	< 3%			
Feed in	Three phase 3L + N + PE			

EFFICIENCY

Max. Efficiency	98.3 %	98.4 %	98.5 %	98.5 %
Euro Efficiency	98.0 %	98.1 %	98.2 %	98.2 %
MPPT Accuracy	> 99.9 %	> 99.9 %	> 99.9 %	> 99.9 %

GENERAL DATA

Topology	Transformerless
Consumption at Night	< 0.6 W
Consumption at Standby	< 10 W
Operating Temperature Range	-25 °C a + 60 °C (da 45 °C a 60 °C with derating)
Cooling Method	Regulated ventilation and natural convection
Ambient Humidity	0% to 100% Non-condensing
Altitude	Up to 3000 m (over 2000 m with derating)
Noise	< 35 dBA
Overvoltage category	II (DC input), III (AC output)
Ingress Protection	IP65 (Indoor & Outdoor Installation)
Mounting	Rear Panel
Dimensions (H x W x D)	640 x 450 x 232 mm
Net Weight	29 kg 33 kg
Warranty	5 Years (standard) / 10 Years (optional)

INTERFACE

AC Connection	Plug-in connector
DC Connection	MC4 / H4
LCD	3.5 inch LCD Display, backlight
LED	LED (3 Lights)
Display Language	Italian / English
Communication Port	RS-232 / RS-485
Communication Mode	Wi-Fi (optional) / Ethernet

PROTECTION

Internal over-voltage prot.	Integrated
DC Insulation monitoring	Integrated
DCI / GFCI / Grid monitoring	Integrated
AC short circuit current prot.	Integrated
Thermal protection	Integrated
AC surge protection	SPD type 2 (Integrated)
String current monitoring	Integrated
DC surge protection	SPD type 2 (Integrated)
Anti-island prot. monitoring	AFD