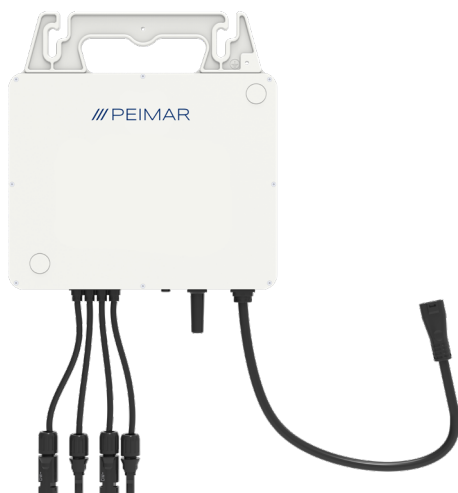


## PSI-X1P1000-MIC

PSI-X1P SERIE | SINGLE-PHASE MICROINVERTER



- ✓ EASY TO INSTALL  
Due to its small size and low weight
- ✓ COMPATIBLE WITH HIGH-POWER MODULES  
Thanks to a DC input current of up to 20A
- ✓ 2 MPPT
- ✓ IP67

### DC Input

### PSI-X1P1000-MIC

Max. PV input power per MPPT	400 - 670 W
Max. PV input voltage	60 V
MPPT voltage range	22 - 60 V
Startup voltage	22 V
Max. input current per MPPT	20 / 20 A
Max. short circuit current per MPPT	30 / 30 A
No. of Strings per MPPT	1
No. of MPPTs	2

### AC Output

Nominal AC output power	1000 W
Max. AC output apparent power	1000 VA
Nominal AC output current	4.55 / 4.35 / 4.17 A
Nominal AC voltage	220 V, 230 V, 240 V / 180-264 V
Grid frequency	50/45-55 or 60/55-65 Hz
Displacement power factor [ $\cos \phi$ ]	> 0.99 (0.8 leading - 0.8 lagging adjustable)
Maximum units per branch 25A	5
Distorsion harmonique totale	< 3%
AC Connection	Single Phase 1L + N + PE

## General Data

### PSI-X1P1000-MIC

Isolation Type	Transformerless
Standby consumption (night)	< 40 mW
Operating temperature range	-40°C - +65°C
Cooling concept	Natural cooling
Relative humidity	0 - 100% (condensing)
Storage temperature	-40°C - +65°C
Max. operation altitude	3000 m
Overvoltage category	II (DC Input), III (AC Output)
Ingress protection	IP67
Mounting system	Handle
Dimensions (H×W×D)	260 x 212 x 40 mm
Weight	41 kg
Warranty	7 years (12 if connected online)

## System Data

Max. efficiency	96.5%
MPPT efficiency	99.9%

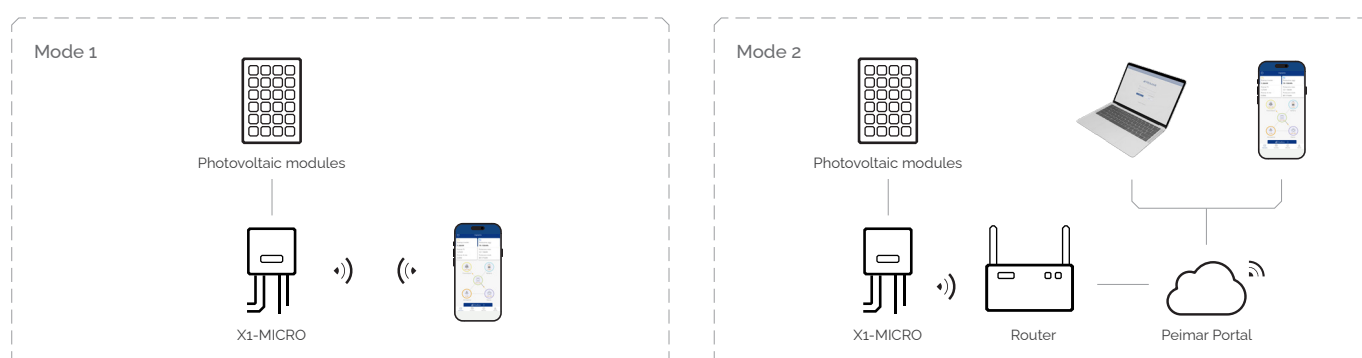
## Interface

AC Output	AC connector
PV Connection	MC4 or compatible connectors
Communication Interfaces	Built-in Wi-Fi

## Accessories

Single-Microinverter Solution	Cable and connector in accordance with local regulations (not included)
Multi-Microinverter Solution	Cables and connectors in accordance with local regulations (not included)

## Communication diagrams



## Certifications

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