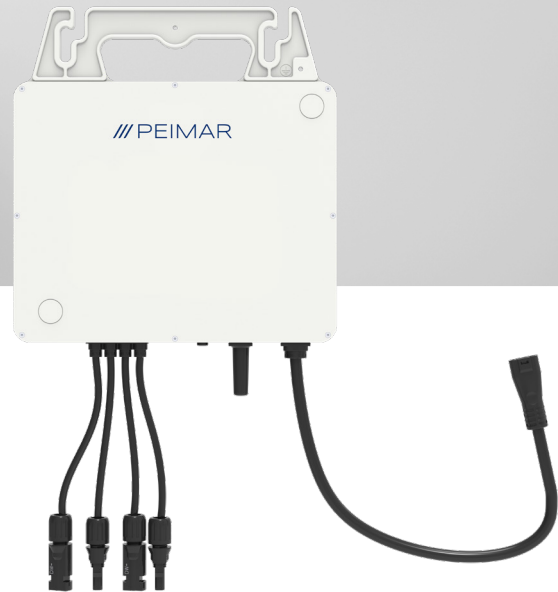


# PSI-X1P1000-MIC

PSI-X1P Series



**From 7 to 12 years**  
Product warranty

## 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 25 A	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 x W x D)	260 x 212 x 40 mm
Weight	4,1 kg
Warranty	7 years (12 if connected online)

## System Data

Max. efficiency	96,5%
MPPT efficiency	99,9%

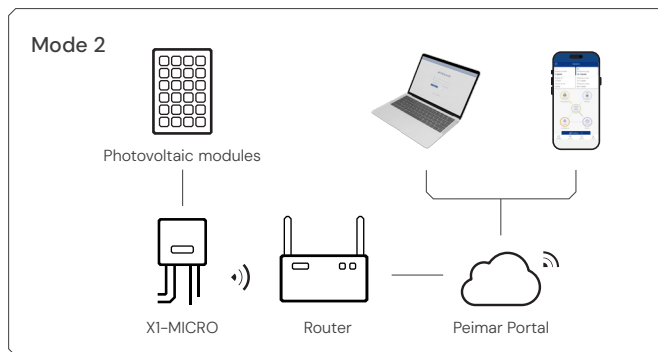
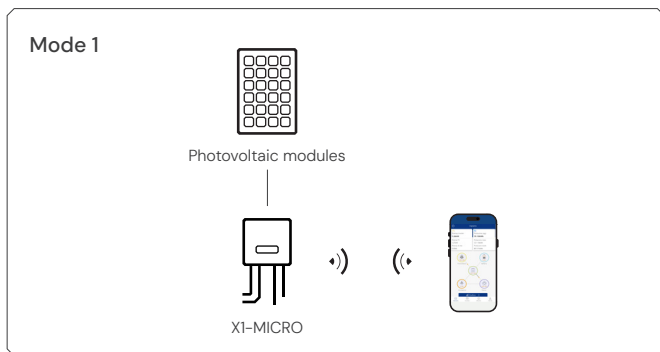
## Interface

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)