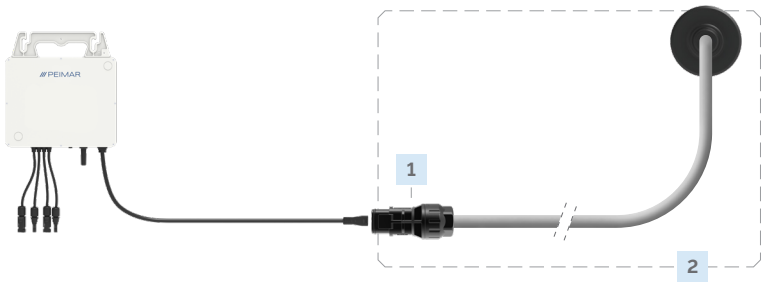
PEIMAR
ITALIAN PHOTOVOLTAIC MODULES

MICROINVERTER SOLUTIONS

PSI-X1P SERIE | MICROINVERTER ACCESSORIES

Single-Microinverter Solution

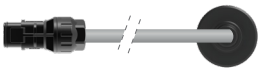


1

PSI-XMIC-CONN-PPAC

Field Connector

The Field Connector is specifically designed for PV systems with a single microinverter.Used to form the Plug and Play Cable, which facilitates a fast and straightforward electrical connection between the microinverter and the grid, serving as a convenient joining component.



2

PSI-XMIC-CABPP500AC

Plug and Play Cable

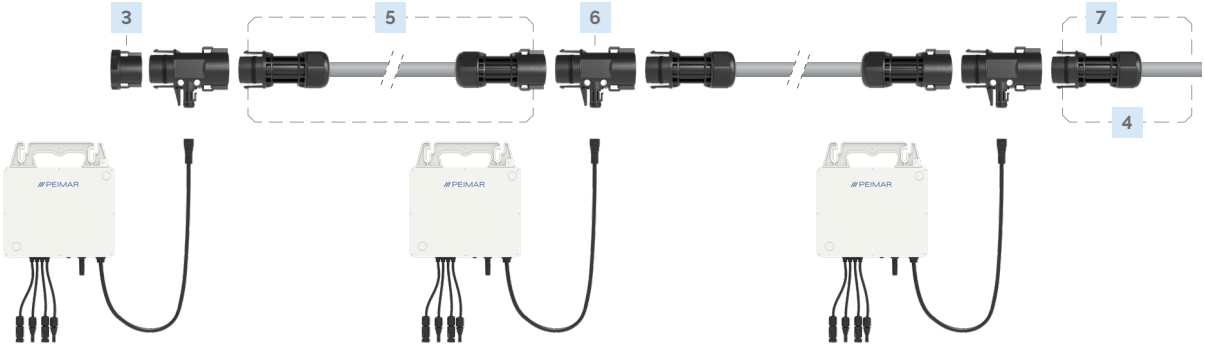
Plug and Play Cable is specifically designed for PV systems with a single microinverter. It consists of the field connector, AC cable, and plug. The field connector is connected to the microinverter connector, and the plug is connected to the household socket in accordance with local regulations.

Connector System Parameter	Single-Microinverter Solution
Pin number	2P + PE
Rated voltage	300 V
Rated current	12 A (Use 1.5 mm^2 copper cable)
Applicable cable specification	1.0 / 1.5 / 2.5 mm^2
Applicable cable outer diameter	8.1 mm to 9.6 mm
Cable connection type	screw pressing
Ambient temperature range	-40°C to +85°C
Dimensions (L × W × H)	64 × 28 × 28 mm
Protection degree	IP68
Flame resistance degree	UL94-V0
Compliance	RoHS

Plug and Play Cable Parameter	
Consisting components	Field Connector + Cable + AC plug
Cable type	H07RN-F
Conductors cross-sectional area	1.5 mm^2
Cable outer diameter	10.1±0.3 mm
Rated voltage	250 V
Rated current	12 A
Ambient temperature range	-40°C to +85°C
Compliance	RoHS

CE

Multi-Microinverter Solution



3

PSI-XMIC-ENDCAP

AC Trunk End Cap

Used to protect vacant AC Trunk Connector - M

4

PSI-XMIC-CABM500AC-10

AC End Cable-M

Consist of an AC Connector - M and a cable, to connect the microinverter branch to the distribution box

5

PSI-XMIC-CAB240AC-10
PSI-XMIC-CAB200AC-10
PSI-XMIC-CAB160AC-10
PSI-XMIC-CAB120AC-10

AC Trunk Cable

Consist of an AC Trunk Connector-M, an AC Trunk Connector-F and an AC cable, to connect the AC Trunk Connector

6

PSI-XMIC-CONN-TAC

AC Trunk Connector

Consist of an AC Trunk Connector-M, an AC Trunk Connector-F and Microinverter connector, to connect the microinverter's AC output to the AC Trunk, as well as to join together multiple AC Trunk Cables to create the AC Trunk

7

PSI-XMIC-CONN-MAC

Connector M

Used to form the AC cable into an AC End Cable or AC Trunk Cable, which completes the connection between the end of the AC Trunk and the distribution box.

8

PSI-XMIC-CONN-FAC

Connector F

Used to form the AC cable into an AC End Cable or AC Trunk Cable, which completes the connection between the end of the AC Trunk and the distribution box.

9

PSI-XMIC-DISCTOOL

AC Trunk Port Disconnect Tool

A versatile tool that can be used to take apart connectors, tighten nuts, and loosen nuts

Connector System Parameter	Multi-Microinverter Solution
Pin number	2P + PE
Rated voltage	400 V
Rated current	40 A
Max. supported conductor sizes	6.0 mm^2
Max. supported cable outer diameter	13.5 mm
Ambient temperature range	-40°Cto +85°C
Protection degree	IP68
Flame resistance degree	UL94-V0
Compliance	RoHS

Cable System Parameter	
Cable type	TC-ER
Rated voltage	600 V
Conductor size	12AWG/10AWG
UV exposure rating	UL1581
Cable flame rating	According to IEC 60332-1-2
Ambient temperature range	-40°C to +90°C
Compliance	RoHS

Certifications

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

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