



Imagination is the limit

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INVOLAR
MICROINVERTERS

Technical Specifications

Model

MAC250A

Input Data (DC)

Recommended Input Power (STC)
DC voltage operating range
MPPT Voltage Range
Maximum DC Current

250W/200W~260W
20V~50V
24V~40V
10.4A

Output Data (AC)

Rated AC Power @ 25 C
Rated AC Current
AC voltage Range
AC frequency
Power Factor
Current THD
Maximum Units Per Branch

235W
1.02A*
230V (110V/120V/127V/240V also available)
50Hz/60Hz
>0.99
<3.5%
16 **

Efficiency

Peak Inverter Efficiency
EUR Weighted Efficiency
Nighttime Power Consumption

95.2%
94.1%
<170mW

Mechanical Data

Enclosure Environmental Rating
Operating Temperature Range
Dimensions (WxHxD)
Weight

Outdoor - IP67/NEMA6
-40C~+65C
230mm x 195mm x 35mm
2.44kg

Features

Microinverter chain interconnection
PV Panel type
PV Panel DC connector
Communication
Compliance

Warranty

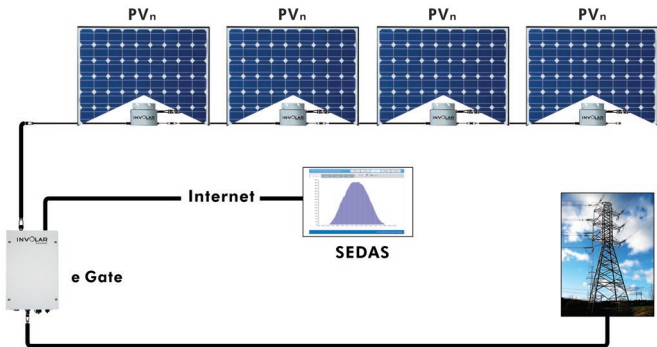
Only a string termination cable is required
Mono/Polycrystalline Si 60/72 cells***
MC4
PLCC with eGate/eLog unit
UL1741/IEEEE1547 - CE - EN50438 - CEI 0-21
VDE0126 - G83/1- CQC - AS4777 - RD1663
25 Years (free extension)

* Current depends on the local voltage

** Maximum number of units in string depending on maximum current 16A

*** Prior to installation please inform INVOLAR on panel model to be used. The MAC250A is the most flexible microinverter on the market, if another panel type is required please contact INVOLAR for further information.

INVOLAR System



Advantages

Increased lifetime and **reliability** (double lifetime)

No single-point failure with system **availability** of 100%

Maximized **energy** harvest (Average +16%)

Reduced power loss with **shade**, dust and debris

Simple design, with **Plug and Play** chain installation

Improved **safety** with no high voltage hazards

No indoor bulky and noisy inverter unit

Internet 24h smart monitoring for each PV module

INVOLAR Worldwide

Our products are being shipped to over 40 countries worldwide.
Making INVOLAR the only global microinverter manufacturer.



DISTRIBUTION NETWORK

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