

## SolarEdge-S1200-1GMYMBV

Product code: **OP.Solaredge.S1200-1GMYMBV**



Manufacturer	<b>SOLAREEDGE</b>
CN code number	<b>85044095</b>
Country of origin	<b>Israel</b>
Width	<b>129</b>
Height	<b>155</b>
Depth	<b>59</b>
Quantity per pallet	<b>420</b>
MPPT	<b>2</b>
Weight	<b>1064</b>
Warranty	<b>25</b>
Power	<b>1200</b>

The power optimizers SolarEdge - S1200-1GMYMBV are DC-DC devices directly connected to photovoltaic modules to maximize the obtained energy through independent tracking of the maximum power point (MPPT). They effectively regulate the voltage of the chain independently of its length or environmental conditions. They have a safe voltage function, automatically reducing the voltage to 1 V DC in case of a malfunction, disconnection from the inverter, or inverter shutdown. The optimizers transmit information about the module's operation to the inverter through the DC power cable. There are two types available: an additional power optimizer connected to one or several modules, and intelligent modules with built-in optimizers. In the S series, the connection arrangement has been improved, where the positive connector cable is long, and the negative one is short, eliminating loose hanging of the connector from the roof and reducing the impact of moisture.

## Product variants

Index	Price
<b>SolarEdge-S1200-1GMYMBV</b> <b>OP.Solaredge.S1200-1GMYMBV</b>	Product prices only visible after login. If you do not have an account, please register.

## Product description

The power optimizers SolarEdge - S1200-1GMYMBV are DC-DC devices directly connected to photovoltaic modules to maximize the obtained energy through independent tracking of the maximum power point (MPPT). They effectively regulate the voltage of the chain independently of its length or environmental conditions. They have a safe voltage function, automatically reducing the voltage to 1 V DC in case of a malfunction, disconnection from the inverter, or inverter shutdown.

The optimizers transmit information about the module's operation to the inverter through the DC power cable. There are two types available: an additional power optimizer connected to one or several modules, and intelligent modules with built-in optimizers. In the S series, the connection arrangement has been improved, where the positive connector cable is long, and the negative one is short, eliminating loose hanging of the connector from the roof and reducing the impact of moisture.

Advantages of the SolarEdge - S1200-1GMYMBV power optimizer:

**High energy efficiency:** Excellent efficiency (99.5%) achieved through continuous monitoring of the maximum power point (MPPT) at the level of a single module, resulting in maximum energy production in the system, increased revenue, and a fast return on investment. The support for bifacial photovoltaic modules and modules with high power and chain intensity ensures a greater amount of generated energy throughout the chain, leading to additional benefits.

**Maximum protection through built-in safeguards:** Designed to automatically lower high direct current voltage to safe levels after disconnecting from the grid/inverter using SafeDC™ technology. Equipped with the innovative SolarEdge Sense Connect feature for continuous monitoring, detecting overheating related to installation issues or connector wear.

**Lower system balancing costs:** The flexible system allows for maximum use of space and handling of longer chains, reducing the amount of wiring, fuses, and boxes by 50%. Additionally, the system enables easy cable management and quick installation when connecting two photovoltaic modules in series.

**Simplified operation and maintenance:** Monitoring the system at the level of a single module allows precise detection of faults and remote issue resolution, resulting in efficient time savings.

Technical data for the SolarEdge - S1200-1GMYMBV power optimizer:

Nominal DC input power: 1200W

Absolute maximum input voltage (Voc): 125 Vdc

MPPT operating range: 12.5 - 105 Vdc

Maximum short-circuit current (Isc): 15 Adc

Maximum efficiency: 99.5%

Weighted efficiency: 98.8%

Surge category: II

Maximum output current: 20 Adc

Maximum output voltage: 80 Adc

Safe optimizer voltage: 1 Vdc

Maximum permissible system voltage: 1000 Vdc Dimensions (width x length x height): 129 x 155 x 59 mm

Weight (including cables): 1064 g

Protection rating: IP68/NEMA6P

The SolarEdge - S1200-1GMYMBV power optimizer includes a 25-year warranty, which begins after the earlier of two events: (i) four months from the date of dispatch of the power optimizers by SolarEdge; or (ii) after the installation of the power optimizers. This extended warranty ensures protection and confidence in the durability and reliability of the product over an extended period of operation.