

SolarEdge S440-1G M4MRM (cables + 2,3m, 0,10m)

Product code: **OP.Solaredge.S440-1G.M4M.RM**



Manufacturer	SOLAREEDGE
CN code number	85044095
Country of origin	Israel
Width	129
Height	155
Depth	30
Quantity per pallet	840
MPPT	1
Weight	0.655
Warranty	25
Power	440

Solaredge S440-1G M4M RM (cables + 2.3m, 0.10m) power optimizers are DC-DC devices connected directly to photovoltaic modules to maximize the harvested energy. They achieve this by independently searching for the maximum power point (MPPT) at the level of a single module. These devices effectively regulate the chain voltage, regardless of the length of the chain or environmental conditions. Additionally, power optimizers have a safe voltage function, automatically reducing the output voltage of each of them to 1 V DC in the event of a failure, disconnection from the inverter, or when the inverter switch is in the off position. Each optimizer also transmits information about the module's operation to the inverter via the DC power cable. There are two types of power optimizers available: an additional power optimizer that can be connected to one or several modules, and intelligent modules where power optimizers are built directly into the module.

Product variants

Index	Price
SolarEdge S440-1G M4MRM (cables + 2,3m, 0,10m) OP.Solaredge.S440-1G.M4M.RM	Product prices only visible after login. If you do not have an account, please register.

Product description

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Advantages of Solaredge S440-1G M4M RM (cables + 2.3m, 0.10m) power optimizer:

Specifically designed to work with SolarEdge inverters for residential buildings

Module-level voltage shutdown for installer and emergency service safety

Highest efficiency (99.5%)

Quick installation with a single screw

Limits losses resulting from module inhomogeneity, from production tolerance to partial shading

Flexible system design for maximum space utilization

Compatibility with bifacial modules

Technical data of Solaredge S440-1G M4M RM (cables + 2.3m, 0.10m) power optimizer:

Nominal DC input power(1): 440W

Absolutely maximum input voltage (Voc): 60 Vdc

MPPT operating range: 8 – 60 Vdc

Maximum short-circuit current (Isc): 14.5 Adc

Maximum efficiency: 99.5%

Weighted efficiency: 98.6%

Surge category II

Maximum output current: 15 Adc

Maximum output voltage: 60 Vdc

Maximum allowable system voltage: 1000 Vdc

Dimensions (width x length x height): 129 x 155 x 30 mm

Weight: 720 g

Input connector: MC4

Ingress protection rating: IP68

Solaredge S440-1G M4M RM (cables + 2.3m, 0.10m) power optimizer comes with a 25-year warranty, starting after the occurrence of the earlier of two events: (i) 4 months from the date of shipment of the power optimizers by SolarEdge; or (ii) after the installation of the power optimizers. This extended warranty provides protection and confidence in the durability and reliability of the product over an extended period of operation.