

HUAWEI MERC-1100-P

Product code: **OP.Huawei.1100-MERC**



Huawei MERC-1100W-P Power Optimizer

The Huawei MERC-1100W-P power optimizer is an advanced device designed to enhance the efficiency and safety of photovoltaic installations. It has a rated power of 1300W and features Safe DC technology, ensuring safe shutdown at 1V, significantly increasing safety levels. Equipped with an MC4 connector, it allows for quick and easy connection.

Thanks to its long cables (1.3m input and 0.1/2.9m output), the installation of the optimizer is highly flexible, allowing for adaptation to various photovoltaic system configurations. It is an ideal solution for demanding commercial and industrial applications requiring reliability, efficiency, and safety.

Product variants

Index	Price
HUAWEI MERC-1100-P OP.Huawei.1100-MERC	Product prices only visible after login. If you do not have an account, please register.

Product description

Huawei MERC-1100W-P Power Optimizer

The Huawei MERC-1100W-P power optimizer is an advanced device designed to enhance the efficiency and safety of photovoltaic installations. It has a rated power of 1300W and features Safe DC technology, ensuring safe shutdown at 1V, significantly increasing safety levels. Equipped with an MC4 connector, it allows for quick and easy connection.

Thanks to its long cables (1.3m input and 0.1/2.9m output), the installation of the optimizer is highly flexible, allowing for adaptation to various photovoltaic system configurations. It is an ideal solution for demanding commercial and industrial applications requiring reliability, efficiency, and safety.

Advantages of the Huawei MERC-1100W-P Optimizer:

- Long string design better suited for C&I scenarios
- Input current up to 20 A, compatible with all module types
- Automatic module mapping in less than 5 seconds
- Enhanced detection for protection against high temperatures
- Safe shutdown at 1V with improved detection
- Accurate pinpointing of arc fault location along the cable

Technical Specifications:

- Rated DC input power: 1100W
- Max. input voltage: 125 V
- MPPT operating voltage range: 12.5 - 105 V
- Max. short-circuit current (Isc): 20 A
- Max. efficiency: 99.5%
- Weighted efficiency: 99.0%
- Overvoltage category: II
- Max. output voltage: 80 V
- Max. output current: 22 A
- Output bypass: Yes
- Shutdown output voltage per optimizer: 1 V
- Dimensions (W x H x D): 149 mm x 104 mm x 49 mm
- Weight (including cables): 1.05 kg
- Input connector: MC4
- Input wire length: 0.1 m (short input cable version)
- Output connector: MC4
- Output wire length: 0.1 m (+), 5.1 m (-) (short input cable version)
- Operating temperature/humidity range: -40°C to +85°C / 0%-100% RH
- Degree of protection: IP68