

HUAWEI SUN2000-600W-P

Product code: **OP.Huawei.600-P**



Manufacturer	HUAWEI
CN code number	85044095
Country of origin	China
Width	75
Height	140
Depth	28
MPPT	1
Weight	600
Warranty	25
Power	600

HUAWEI SUN2000-600W-P Power Optimizer for Photovoltaic Installations. The HUAWEI SUN2000-600W-P Photovoltaic Optimizer is a special DC-DC converter typically mounted on the rear part of solar panels in a photovoltaic installation. Its task is to effectively manage the Maximum Power Point (MPP) of each photovoltaic panel, contributing to the optimization of the entire system's efficiency by increasing energy yield. The optimizer also functions to shut down at the level of individual panels and regulates at the level of individual photovoltaic modules. The product stands out for its versatility, significantly facilitating the selection of installation components. The optimizer rapidly synchronizes with the inverter (in less than 1.5 minutes) and automatically creates a map of modules. This provides access to the operational parameters of each module equipped with the optimizer, allowing for quick diagnostics and easy, safe maintenance of the installation. The Huawei Sun2000-600W-P Power Optimizer is compatible with inverters such as SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1, SUN2000-12/15/17/20KTL-M2, SUN2000-30/36/40KTL-M3.

Product variants

Index	Price
HUAWEI SUN2000-600W-P OP.Huawei.600-P	Product prices only visible after login. If you do not have an account, please register.

Product description

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Technical specifications of the Huawei SUN2000-600W-P optimizer:

Nominal DC1 input power: 600 W

Maximum input voltage: 80 V

MPPT operating voltage range: 10 - 80 V

Maximum short-circuit current (Isc): 14.5 A

Maximum efficiency: 99.5%

Weighted efficiency: 99.0%

Overvoltage category II

Maximum output voltage: 80 V

Maximum output current: 15 A

Output sidetracking: Yes

Output voltage with the inverter turned off: 0 V

Output resistance with the inverter turned off: 1k ohm \pm 10%

Communication method: MBUS

Dimensions (W x H x D): 75 x 140 x 28 mm (3.0 x 5.5 x 1.1 inches)

Weight (with wiring): 0.6 kg (1.3 lb.)

Mounting components (optional): Mounting bracket for frame/T-shaped screw T4

Input connector: MC4

Input cable length: 0.15 m

Output connector: MC4

Output cable length: 1.3 m (4.3 ft.) 5

Operating temperature/humidity range: -40°C - 85°C5 / 0% RH - 100% RH

IP68 protection rating

The optimizer uses Staubli MC4 DC connectors. Ensure that the DC connectors used for connection precisely match this model. If the DC connectors used are different from the Staubli MC4 model, obtain a compliance report for the connectors and a report from an external laboratory (TUV, VED, or Bureau Veritas) of the DC connector manufacturer. The use of incompatible DC connectors can cause serious damage, and damages resulting from this are not covered by the warranty.

The warranty for the HUAWEI SUN2000-600W-P covers a period of twenty-five (25) years, commencing thirty (30) days from the product's shipment date. Under this warranty, the manufacturer commits to providing support and repairs for any defects or issues related to the functionality of the optimizer. The extended warranty period reflects the manufacturer's confidence in the durability and reliability of the product, offering users protection for many years after the purchase. However, it is advisable to carefully review the warranty terms provided by the manufacturer to understand the scope and conditions of warranty services.