

HUAWEI SUN2000-450W-P2

Product code: **OP.Huawei.450-P2**

Manufacturer	HUAWEI
CN code number	85044095
Country of origin	China
Width	75
Height	140
Depth	28
MPPT	1
Weight	600
Warranty	25
Power	450

The HUAWEI SUN2000-450W-P2 power optimizer is designed for photovoltaic installations. It is a special DC-DC converter typically mounted on the rear of solar panels in a photovoltaic system. Its main purpose is to efficiently manage the maximum power point (MPP) of each solar panel, contributing to the overall system performance optimization by increasing energy yield. The optimizer also functions to individually shut down panels and regulate at the level of individual photovoltaic modules. The product stands out for its versatility, making it easier to select components for the installation. The optimizer quickly synchronizes with the inverter (in less than 1.5 minutes) and automatically creates a map of modules. This allows you to access the operating parameters of each module equipped with the optimizer, facilitating quick diagnostics and easy and safe servicing of the installation. The HUAWEI SUN2000-450W-P2 optimizer is compatible with 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 inverters.

Product variants

Index	Price
HUAWEI SUN2000-450W-P2 OP.Huawei.450-P2	Product prices only visible after login. If you do not have an account, please register.

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Technical specifications of the HUAWEI SUN2000-450W-P2 optimizer:

Rated input power DC1: 450 W

Maximum input voltage: 80 V

MPPT working voltage range: 10 - 80 V

Maximum short-circuit current (Isc): 14.5 A

Maximum efficiency: 99.5%

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

Communication method: MBUS

Dimensions (Width x Height x Depth): 75 x 140 x 28 mm (3.0 x 5.5 x 1.1 inches)

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

IP68 protection rating

The optimizer uses Staubli MC4 DC connectors. Ensure that the exact model of DC connectors is used. Using incompatible DC connectors may cause serious damage, and such damages are not covered by the warranty.

The warranty for HUAWEI SUN2000-450W-P2 is valid for twenty-five (25) years, starting thirty (30) days after the product shipment date. During this warranty period, the manufacturer commits to providing support and repairs for any defects or issues related to the optimizer's functionality. The lengthy warranty period reflects the manufacturer's confidence in the product's durability and reliability, offering protection to users for many years after purchase. However, it's advisable to carefully review the warranty terms provided by the manufacturer to understand the scope and conditions of warranty services.