

HUAWEI SUN2000-50KTL-M3

Product code: F.Huawei.3F.withoutwifi.00500.M3



Manufacturer	HUAWEI
Inverter type	On-grid
Inverter phases	3
Max. AC power	50000
Output power	50000
Circuit breaker value	100
MPPT	4
Amperage	20
WIFI	Nie
Ethernet	No
Compatible optimizers	Huawei
Warranty	5
CN code number	85044086
Quantity per pallet	2
Country of origin	China
Weight	74
Width	55.5
Height	101
Depth	30

The HUAWEI SUN 2000-50KTL-M3 inverter is a three-phase PV inverter connected to the grid, which converts direct current generated by photovoltaic chains into alternating current and supplies energy to the power grid. The HUAWEI SUN 2000-50KTL-M3 is used in grid-connected photovoltaic installations located on the roofs of industrial and commercial buildings, as well as in small ground-mounted installations. A grid-connected installation consists of photovoltaic chains, grid-connected inverters, AC switches, and power distribution units.

Product variants

Index	Price
HUAWEI SUN2000-50KTL-M3 F.Huawei.3F.withoutwifi.00500.M3	Product prices only visible after login. If you do not have an account, please register.

Product description

The HUAWEI SUN 2000-50KTL-M3 inverter is a three-phase PV inverter connected to the grid, which converts direct current generated by photovoltaic chains into alternating current and supplies energy to the power grid. The HUAWEI SUN 2000-50KTL-M3 is used in grid-connected photovoltaic installations located on the roofs of industrial and commercial buildings, as well as in small ground-mounted installations. A grid-connected installation consists of photovoltaic chains, grid-connected inverters, AC switches, and power distribution units.

Advantages of the HUAWEI SUN 2000-50KTL-M3 inverter:

Arc-fault protection supported by AI

Up to 30% higher energy yield thanks to optimizers

WLAN, Fast Ethernet, 4G communication support

Technical data of the HUAWEI SUN 2000-50KTL-M3:

Maximum efficiency 98.5%

Max. input voltage¹ 1100 V

Max. current per MPPT 30 A

Max. input current 20 A

Max. short-circuit current per MPPT 40 A

Start-up voltage 200 V

MPPT operating voltage range² 200 V ~ 1000 V

Rated input voltage 600 V

Number of inputs 8

Number of MPPTs 4

Rated active AC power 50,000 W

Maximum apparent AC power 55,000 VA

Rated output current 72.2 A @ 400Vac, 60.1 A @ 480Vac

Maximum output current 79.8 A @ 400Vac, 66.5 A @ 480Vac

Dimensions (width x height x depth) 640 x 530 x 270 mm

Weight (with mounting plate) 49 kg

IP protection level IP66

The HUAWEI SUN 2000-50KTL-M3 inverter is an advanced solution that not only offers features for easier operation and monitoring but also ensures quiet operation and a long-term 10-year warranty, making it a reliable choice for photovoltaic installations.