

HUAWEI SUN2000 12KTL-M2 HC

Product code: F.Huawei.3F.withoutwifi.00120.M2.HC



Manufacturer	HUAWEI
Inverter type	On-grid
Inverter phases	3
Max. AC power	12000
Max. DC power	18000
Output power	12000
Circuit breaker value	25
MPPT	2
Amperage	27
WIFI	Nie
Ethernet	No
Compatible optimizers	Huawei
Warranty	10
CN code number	85044086
Quantity per pallet	10
Country of origin	China
Weight	25
Width	47
Height	52
Depth	26

The HUAWEI SUN 2000-12KTL-M2 HC inverter is a three-phase photovoltaic chain inverter, specially designed to convert direct current energy generated by photovoltaic panel modules into electricity and deliver it to the electrical grid. Its applications include residential rooftop installations connected to the grid and small ground-mounted photovoltaic installations, also grid-connected. In a typical grid-connected installation consisting of photovoltaic chains, grid-connected inverters, alternating current switches, and energy distribution modules, the HUAWEI SUN2000 inverter plays a key role in efficiently converting and delivering electrical energy. The high-current version is characterized by a permissible higher input current on the DC side.

Product variants

Index	Price
HUAWEI SUN2000 12KTL-M2 HC F.Huawei.3F.withoutwifi.00120.M2.HC	Product prices only visible after login. If you do not have an account, please register.

Product description

The HUAWEI SUN 2000-12KTL-M2 HC inverter is a three-phase photovoltaic chain inverter, specially designed to convert direct current energy generated by photovoltaic panel modules into electricity and deliver it to the electrical grid.

Its applications include residential rooftop installations connected to the grid and small ground-mounted photovoltaic installations, also grid-connected. In a typical grid-connected installation consisting of photovoltaic chains, grid-connected inverters, alternating current switches, and energy distribution modules, the HUAWEI SUN2000 inverter plays a key role in efficiently converting and delivering electrical energy.

The high-current version is characterized by a permissible higher input current on the DC side.

Advantages of the HUAWEI SUN 2000-12KTL-M2 HC inverter:

Protection against electric arc supported by AI - Up to 30% higher energy yield thanks to optimizers

"Plug & Play" battery interface

WLAN, Fast Ethernet, 4G communication support

Technical data of the HUAWEI SUN 2000-12KTL-M2 HC inverter:

Number of inverter phases: 3

Maximum efficiency: 98.50%

Recommended maximum PV power: 18,000 Wp

Maximum input voltage: 1080 V

Starting voltage: 200 V

Working voltage range of PV input: 160 V - 950 V

Nominal input voltage: 600 V

Maximum operating current on MPPT: 27 A

Maximum short-circuit current on MPPT: 39 A

Number of MPPTs: 2

Number of inputs: 4

Working voltage range of DC: 600 - 980 Vdc

Nominal AC output power: 12,000 W

Maximum apparent power: 13,200 VA

Nominal output voltage: 220 V AC / 380 V AC, 230 V AC / 400 V AC, 3W / N+PE

Maximum output current: 20 A

Weight (with mounting bracket): 25 kg

Dimensions (with mounting bracket): 525 x 470 x 262 mm

Protection class: IP65

The HUAWEI SUN 2000-12KTL-M2 HC inverter is an advanced solution that not only offers features for easy operation and monitoring but also ensures quiet operation and a long-term 10-year warranty, making it a solid choice for photovoltaic installations.