

# HUAWEI SUN 2000-5KTL-M1 HC

Product code: F.Huawei.3F.H.wifi.00050.M1.HC



Manufacturer	HUAWEI
Inverter type	Hybrid
Inverter phases	3
Max. AC power	5000
Max. DC power	7500
Output power	5000
Circuit breaker value	16
MPPT	2
Amperage	13.5
WIFI	Tak
Ethernet	Yes
Compatible energy storage	Huawei
Compatible optimizers	Huawei
Warranty	10
CN code number	85044085
Quantity per pallet	20
Country of origin	China
Weight	17
Width	47
Height	52
Depth	17

The HUAWEI SUN2000-5KTL-M1 HC inverter is a three-phase photovoltaic chain inverter, specifically designed to convert direct current energy generated by photovoltaic panel modules into alternating current and deliver it to the electrical grid. Its application includes rooftop residential 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, AC switches, and energy distribution modules, the HUAWEI SUN2000 inverter plays a crucial role in efficiently converting and delivering electrical energy. The high-current version is characterized by an allowable higher input current on the DC side.

## Product variants

Index	Price
<b>HUAWEI SUN 2000-5KTL-M1 HC</b> F.Huawei.3F.H.wifi.00050.M1.HC	Product prices only visible after login. If you do not have an account, please register.

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## Product description

The HUAWEI SUN2000-5KTL-M1 HC inverter is a three-phase photovoltaic chain inverter, specifically designed to convert direct current energy generated by photovoltaic panel modules into alternating current and deliver it to the electrical grid.

Its application includes rooftop residential 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, AC switches, and energy distribution modules, the HUAWEI SUN2000 inverter plays a crucial role in efficiently converting and delivering electrical energy.

The high-current version is characterized by an allowable higher input current on the DC side.

Advantages of the HUAWEI SUN2000-5KTL-M1 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 SUN2000-5KTL-M1 HC:

Number of inverter phases: 3

Maximum efficiency: 98.4%

Recommended maximum PV power: 7500 Wp

Maximum input voltage: 1100 V

Starting voltage: 200 V

Working input voltage range PV: 140 V - 980 V

Rated input voltage: 600 V

Maximum working current on MPPT: 13.5 A

Maximum short-circuit current on MPPT: 19.5 A

Number of MPPT: 2

Number of inputs: 1

Working DC voltage range: 600 - 980 Vdc

Maximum working DC current: 16.7 A

Maximum charging power: 10000 W

Rated output power: 5000 W

Maximum apparent power: 5500 VA

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

Maximum output current: 8.5 A

Weight (with mounting bracket): 17 kg

Dimensions (with mounting bracket): 525 x 470 x 146.5 mm

Protection rating: IP65

The HUAWEI SUN2000-5KTL-M1 HC inverter is an advanced solution that not only offers features facilitating operation and monitoring but also ensures quiet operation and a long-term 10-year warranty, making it a solid choice for photovoltaic installations.