

# HUAWEI SUN2000 12KTL-M5 HC

Product code: F.Huawei.3F.withoutwifi.00120.M5.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-M5 HC inverter is a three-phase photovoltaic chain inverter, specially designed to convert the direct current energy generated by photovoltaic panel arrays and deliver it to the electrical grid. Its application includes rooftop residential installations connected to the grid and small ground-mounted photovoltaic installations, also connected to the grid. In a typical grid-connected installation consisting of photovoltaic arrays, 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 an allowable higher input current on the DC side.

## Product variants

Index	Price
<b>HUAWEI SUN2000 12KTL-M5 HC</b> F.Huawei.3F.withoutwifi.00120.M5.HC	Product prices only visible after login. If you do not have an account, please register.

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## Product description

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

Advantages of the HUAWEI SUN 2000-12KTL-M5 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-M5 HC inverter:

Number of phases of the inverter: 3

Maximum efficiency: 98.4%

Recommended maximum PV power: 18,000 Wp

Maximum input voltage: 1100 V

MPPT voltage range at full load: 370V~800V

Starting voltage: 200 V

Working input voltage range PV: 200 V -1000 V

Nominal input voltage: 600 V

Maximum operating current for MPPT: 30 A (two chains)/20 A (one chain)

Maximum short-circuit current: 40 A

Number of MPPTs: 2

Number of inputs: 4

Nominal AC output power: 12,000 W

Maximum apparent power: 13,200 VA

Nominal output voltage: 220 Vac / 380 Vac, 230 Vac / 400 Vac, 239.6 Vac / 415Vac, 3W + N + PE

Maximum output current: 18.2A/380Vac/17.3A/400Vac/16.7A/415Vac

Weight (with mounting bracket): 21 kg

Dimensions (with mounting bracket): 546 x 460 x 228 mm

Degree of protection: IP65

The HUAWEI SUN 2000-12KTL-M5 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 reliable choice for photovoltaic installations.