

# HUAWEI SUN 2000-6KTL-M1 HC

Product code: F.Huawei.3F.H.wifi.00060.M1.HC



Manufacturer	HUAWEI
Inverter type	Hybrid
Inverter phases	3
Max. AC power	6000
Max. DC power	9000
Output power	6000
Circuit breaker value	25
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 SUN 2000-6KTL-M1 HC inverter is a three-phase photovoltaic string inverter, specially designed to convert the direct current energy generated by photovoltaic panel modules into alternating current and deliver it to the electrical grid. Its application includes roof-mounted residential installations connected to the grid, as well as small ground-mounted photovoltaic installations, also connected to the grid. In a typical grid-connected installation consisting of photovoltaic string 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
<div> <div> HUAWEI SUN 2000-6KTL-M1 HC F.Huawei.3F.H.wifi.00060.M1.HC </div> </div>	<div> Product prices only visible after login. If you do not have an account, please register. </div>

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## Product description

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Its application includes roof-mounted residential installations connected to the grid, as well as small ground-mounted photovoltaic installations, also connected to the grid. In a typical grid-connected installation consisting of photovoltaic string 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.

Advantages of the HUAWEI SUN 2000-6KTL-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 SUN 2000-6KTL-M1 HC:

Number of inverter phases: 3

Maximum efficiency: 98.6%

Recommended maximum PV power: 9000 Wp

Maximum input voltage: 1100 V

Starting voltage: 200 V

Operating voltage range of PV input: 140 V - 980 V

Rated input voltage: 600 V

Maximum working current at MPPT: 13.5 A

Max. short-circuit current at MPPT: 19.5 A

Number of MPPT: 2

Number of inputs: 1

DC operating voltage range: 600 - 980 Vdc

Maximum DC working current: 16.7 A

Maximum charging power: 10000 W

Rated output power: 6000 W

Maximum apparent power: 6600 VA

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

Maximum output current: 10.1 A

Weight (with mounting bracket): 17 kg

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

Protection rating: IP65

The HUAWEI SUN 2000-6KTL-M1 HC inverter is an advanced solution that not only offers functions facilitating operation and monitoring but also ensures quiet operation and a long-term 10-year warranty, making it a solid choice for photovoltaic installations.