

## HUAWEI - SUN2000-6KTL-L1

Product code: F.Huawei.1F.wifi.00060.L1



Manufacturer	HUAWEI
Inverter type	Hybrid
Inverter phases	1
Max. AC power	6000
Max. DC power	9000
Output power	6000
Circuit breaker value	32
MPPT	2
Amperage	12.5
WIFI	Tak
Ethernet	No
Compatible energy storage	Huawei
Compatible optimizers	Huawei
Warranty	10
CN code number	85044085
Quantity per pallet	20
Country of origin	China
Weight	13
Width	36
Height	36
Depth	14

HUAWEI - SUN2000-6KTL-L1 is a single-phase grid-connected string inverter that converts the direct current generated by photovoltaic chains into alternating current and supplies electrical energy to the power grid. The HUAWEI SUN2000 inverter is used for grid-connected rooftop photovoltaic installations in residential areas. The installation consists of photovoltaic chains, inverters connected to the grid, AC switches, and power distribution units (PDUs). It has an IP65 protection rating and can be installed indoors or outdoors.

## Product variants

Index	Price
<p><b>HUAWEI - SUN2000-6KTL-L1</b> F.Huawei.1F.wifi.00060.L1</p>	<p>Product prices only visible after login. If you do not have an account, please register.</p>

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## Product description

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The HUAWEI SUN2000 inverter is used for grid-connected rooftop photovoltaic installations in residential areas. The installation consists of photovoltaic chains, inverters connected to the grid, AC switches, and power distribution units (PDUs). It has an IP65 protection rating and can be installed indoors or outdoors.

Advantages of the HUAWEI - SUN2000-6KTL-L1 inverter:

Single-phase inverter offering integration options with energy storage systems and optimization

Standard type II surge protection on both AC and DC sides

High efficiency reaching up to 98.2%

Cooling through natural convection ensures quiet and reliable operation

Wireless communication

Technical specifications of the HUAWEI SUN 2000-6KTL-L1:

Number of inverter phases: 1

Maximum efficiency: 98.4%

Recommended maximum PV power: 9000 Wp

Maximum input voltage: 600 V

Startup voltage: 100 V

Working voltage range on MPPT: 90 V - 560 V

Rated input voltage: 360 V

Maximum working current on MPPT: 12.5 A

Maximum short-circuit current on MPPT: 18 A

Number of MPPTs: 2

Number of inputs: 2

Working voltage range: 350 - 560 V DC

Maximum working current: 15 A

Maximum charging / discharging power: 5000 W4

Rated output power: 5000 W

Maximum apparent power: 6000 VA

Rated output voltage: 220 V / 230 V / 240 V

Maximum output current: 27 A

Weight (with mounting bracket): 12.3 kg

Dimensions (with mounting bracket): 365 x 365 x 140 mm

IP65 protection rating

The HUAWEI SUN 2000-6KTL-L1 inverter is an advanced solution that not only offers features to facilitate operation and monitoring but also ensures quiet operation and a long-term 10-year warranty, making it a reliable choice for photovoltaic installations.