

HUAWEI SUN 2000-2KTL-L1

Product code: F.Huawei.1F.wifi.00020.L1



Manufacturer	HUAWEI
Inverter type	Hybrid
Inverter phases	1
Max. AC power	2000
Max. DC power	3000
Output power	2000
Circuit breaker value	16
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 SUN2000-2KTL-L1 is a single-phase grid-connected string inverter that converts direct current generated by photovoltaic strings into alternating current and delivers electric power to the grid. The HUAWEI SUN2000 inverter is applicable for grid-connected rooftop photovoltaic installations in residential areas. The installation consists of photovoltaic strings, grid-connected inverters, AC switches, and power distribution units (PDUs). It has an IP65 protection rating and can be installed indoors or outdoors.

Product variants

Index	Price
HUAWEI SUN 2000-2KTL-L1 F.Huawei.1F.wifi.00020.L1	Product prices only visible after login. If you do not have an account, please register.

Product description

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

Advantages of the HUAWEI SUN 2000-2KTL-L1 inverter:

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

Standard Type II surge protection on both AC and DC sides.

High efficiency up to 98.2%.

Cooling through natural convection ensures quiet and reliable operation.

Wireless communication.

Technical specifications of the HUAWEI SUN 2000-2KTL-L1:

Inverter power: 2 kW

Number of phases of the inverter: 1

Maximum efficiency: 98.2%

Recommended maximum PV power: 3000 Wp

Maximum input voltage: 600 V

Startup voltage: 100 V

MPPT working voltage range: 90 V - 560 V

Nominal input voltage: 360 V

Maximum working current per MPPT: 12.5 A

Max. short-circuit current per MPPT: 18 A

Number of MPPTs: 2

Number of inputs: 2

Operating voltage range: 350 - 560 Vdc

Maximum working current: 15 A

Maximum charging / discharging power: 5000 W

Nominal output power: 2000 W

Maximum apparent power: 2200 VA

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

Maximum output current: 10 A

Weight (with mounting bracket): 12.3 kg

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

IP65 protection rating

The HUAWEI SUN 2000-2KTL-L1 inverter is an advanced solution that not only offers user-friendly operation and monitoring features but also ensures quiet operation and comes with a long-term 10-year warranty, making it a reliable choice for photovoltaic installations.