

HUAWEI PV SUN2000-100KTL-M2

Huawei SUN2000 100kVA 3 phase Solar Inverter

Product Overview

Huawei SUN2000 100kVA 3 phase Solar Inverter, SUN2000-100KTL-M2, 3-phase Inverter with 100000VA Power, 10 MPP tracker, Efficiency up to 98.8%, RS485 for Smart Power sensor and SmartLogger



Specifications

Overview:

HUAWEI SUN2000-100KTL-M2 inverter is an uncompromisingly powerful module for large-scale solar power systems. It converts the generated electricity from sunlight into grid-standard alternating current. This is available on site or for feeding into the grid. The dimensions of 1035 x 700 x 365 mm are compact for an inverter of this power class, the weight is 93 kg. Installation is therefore best done in pairs or threes. DC connection to the PV system is via plug-in connections, so commissioning is completed quickly. The Huawei FusionSolar app helps with the setup. The HUAWEI SUN2000-100KTL-M2 inverter also connects effortlessly with smart components. It supports RS485 communication, for example, with the smart logger. The data can be viewed via the FusionSolar management system. In summary, the HUAWEI SUN2000-100KTL-M2 inverter offers numerous advantages, including the module already has overvoltage protection (type 2 for DC and AC). In addition, ten independent MPP trackers are installed at the factory. Another pleasant feature is the low noise level thanks to modern Smart Air Cooling. The power of 115,000 watts meets the needs of a large system, the MPPT voltage range is between 200 and 1000 volts. The maximum efficiency reaches an amazing 98.8%, the European efficiency 98.6%. All this ensures a high yield in operation.

Specifications:

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Specifications	
Product Code	HUAWEI PV SUN2000-100KTL-M2
Efficiency	
Max. efficiency	98.8% @480 V, 98.6% @400 V
European efficiency	98.6% @480 V, 98.4% @400 V
Input	
Max. Input Voltage 1	1,100 V
Max. Current per MPPT	30 A
Max. Short Circuit Current per MPPT	40 A
Start Voltage	200 V
MPPT Operating Voltage Range 2	200 V ~ 1,000 V
Nominal Input Voltage	720 V @480 Vac, 600 V @400 Vac
Number of MPP trackers	10
Max. input number per MPP tracker	2
Output	
Nominal AC Active Power	100,000 W
Max. AC Apparent Power	110,000 VA
Max. AC Active Power (cosØ=1)	110,000 W
Nominal Output Voltage	480 V/ 400 V/ 380 V, 3W+(N)+PE
Rated AC Grid Frequency	50 Hz / 60 Hz
Nominal Output Current	120.3 A @480 V, 144.4 A @400 V

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Product Specification Sheet

Max. Output Current	133.7 A @480 V, 160.4 A @400 V
Adjustable Power Factor Range	0.8 leading... 0.8 lagging
Max. Total Harmonic Distortion	< 3%
Protection	
Input-side Disconnection Device	Yes
Anti-islanding Protection	Yes
AC Overcurrent Protection	Yes
DC Reverse-polarity Protection	Yes
PV-array String Fault Monitoring	Yes
DC Surge Arrester	Type II
AC Surge Arrester	Type II
DC Insulation Resistance Detection	Yes
Residual Current Monitoring Unit	Yes
Arc Fault Protection	Yes
Smart String Level Disconnecter	Yes
Communication	
Display	LED indicators, WLAN adaptor + FusionSolar APP
RS485	Yes
USB	Yes
Smart Dongle-4G	4G / 3G / 2G via Smart Dongle - 4G (Optional)
Monitoring BUS (MBUS)	Yes (isolation transformer required)
	General Data
Dimensions (W x H x D)	1,035 x 700 x 365 mm
Weight (with mounting plate)	93 kg
Operating Temperature Range	-25 degreesC ~ 60 degreesC
Cooling Method	Smart Air Cooling
Max. Operating Altitude	4,000 m (13,123 ft.)
Relative Humidity	0 ~ 100%
DC Connector	Staubli MC4
AC Connector	Waterproof Connector + OT/DT Terminal
Protection Degree	IP66
Topology	Transformerless
Nighttime Power Consumption	< 3.5 W

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/HUAWEI-PV-SUN2000-100KTL-M2-Huawei-SUN2000-100kVA-3-Buy-p-283612.php>

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