HUAWEI PV SUN2000-20KTL-M5

Huawei SUN2000 20kVA 3 phase Solar Inverter

Product Overview

Huawei SUN2000 20kVA 3 phase Solar Inverter, SUN2000-20KTL-M5, 2 Independent MPP trackers, 4 DC connections, Efficiency up to 98.4%, Smart Air cooling, RS485 for Smart Power sensor and smartlogger









Specifications

Overview:

The HUAWEI SUN2000-20KTL-M5 inverter converts the direct current of the solar modules into standard household alternating current. This makes it an indispensable component - with its high efficiency, it ensures optimal efficiency of the entire system. The dimensions of the HUAWEI SUN2000-20KTL-M5 inverter are 546 x 460 x 228 mm, which makes the device convincing with its compact design. The weight of 21 kg is also pleasantly low for a component of this type - installation can be carried out by two people or even alone. Integration is effortless with the plug-in connections. The component has RS485 communication for data exchange with the smart power meter. Commissioning is greatly simplified by the Huawei FusionSolar app, so that it is successfully completed in just a few minutes.

The advantages of the HUAWEI SUN2000-20KTL-M5 inverter are many. The inverter is also equipped with overvoltage protection (type 2 for AC and DC), as well as two independent MPP trackers. Also positive is the pleasantly quiet operating noise. The HUAWEI SUN2000-20KTL-M5 inverter has a rated power of 22,000 VA, and the voltage range extends from 200 to 1,000 volts . The maximum efficiency of 98.4% is very high, which allows the entire system to operate extremely efficiently. The European efficiency is specified at 98.1 % .

Features:

- 3-phase inverter with 22,000VA power
- 2 independent MPP trackers
- 4 DC connections
- Efficiency up to 98.4%
- Communication via WLAN / Ethernet & 2G/3G/4G**
- Integrated PID recovery
- AFCI arc detection integrated
- Smart Air Cooling
- Protection class IP66
- Installation via FusionSolarApp
- Free system monitoring with FusionSolar
- RS485 for Smart Power Sensor and Smartlogger
- Connection for ripple control receiver
- DC MBUS communication for Smart Optimizer*
- Integrated AC and DC overvoltage protection TYPE II

Specifications:

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Specifications	
Product Code	HUAWEI PV SUN2000-20KTL-M5
HUAWEI SUN2000-20KTL-M5 - General Data	
Operating temperature range	-25 ~ +60 degreesC
Relative operating humidity	0 % RH~100 % RH
Operating altitude	0 - 4,000 m (derating > 2.000 m)
Cooling	Smart Air Cooling
Display	LED indicators, integrated WLAN + FusionSolar App
Communication	RS485, WLAN/Ethernet via Smart Dongle-WLAN-FE (Optional), 4G / 3G / 2G via Smart Dongle-4G (Optional)
Weight (incl. mounting bracket)	21 Kg
Dimensions (incl. mounting bracket)	546 x 460 x 228 mm
Protection class	IP66
PID consumption	5W
HUAWEI SUN2000-20KTL-M5 - Input DC	
Recommended maximum PV power	30,000 Wp
Max. Input voltage	1,100 V
Operating voltage	200 V ~ 1000 V
Starting voltage	200 V

Rated input voltage	600 V
Max. Input current per MPPT	30 A (two string) / 20 A (single string)
Max. Short circuit current	40 A
Number of MPP trackers	2
Max. Number of inputs per MPPT	4
HUAWEI SUN2000-20KTL-M5 - Output AC	
Mains connection	three-phase
Rated power	20,000 W
Maximum apparent power	22,000 VA
Rated output voltage	220 Vac / 380 Vac, 230 Vac / 400 Vac, 239.6 Vac / 415Vac, 3W + N + PE
AC - Line frequency	50 Hz / 60 Hz
Maximum output current	33.6A/380Vac, 31.9A/400Vac, 30.8A/415Vac
Adjustable power factor	0.8 kap. ... 0.8 ind.
Total harmonic distortion (THD)	<= 3%.
HUAWEI SUN2000-20KTL-M5 - Efficiency	
Max. Efficiency	98.4 %
European efficiency	98.1 %
HUAWEI SUN2000-20KTL-M5 - Protection devices	
DC load break switch	Yes
Islanding detection	Yes
AC overcurrent protection	Yes
AC short-circuit protection	Yes
DC reverse polarity protection	Yes
AC overvoltage protection	CLASS II
DC overvoltage protection	TYPE II
Fault current monitoring	Yes
Arc detection	Yes
Inputs ripple control receiver	Yes
Integrated PID	Yes

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-SUN2000-20KTL-M5-Huawei-SUN2000-20kVA-3-phase-Solar-Inverter-p-283607.php

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