

What is the Huawei SUN2000L 3.68KTL-L1?

The Huawei SUN2000L 3.68KTL-L1 is an advanced solar inverter from Huawei. It is part of Huawei's solution for C&I and residential customers, based on the 'Optimal Electricity Cost and Active Safety' concept. Huawei has helped to power millions of residents and hundreds of industries globally by improving the utilization of solar power with high efficiency inverter topology (Max. Efficiency 98.4%).

How efficient is a Huawei string inverter?

Huawei inverters use state-of-the-art technology, which means they have minimal power loss and can achieve an efficiency of 98.58%. The SUN2000 series string inverter is equipped with multi-channel MPPT (Maximum Power Point Tracking), which always maximises the energy yield of the string.

What is a Huawei hybrid inverter?

A Huawei hybrid inverter contains advanced technology to efficiently generate energy, exchange it with the electricity grid and store electricity. Huawei inverters use state-of-the-art technology, which means they have minimal power loss and can achieve an efficiency of 98.58%.

What are the characteristics of Huawei inverters?

Huawei inverters, specifically the Huawei SUN2000L series, have the following characteristics: They incorporate the latest technology for residential use and have a power range from 2000W to 5000W. An intelligent solar panel optimization system, optimizers, is also a feature of these inverters.

Where are Huawei inverters used?

Huawei began manufacturing phone switches and has expanded to telecommunications, mobile phones, consumer electronics, and networking equipment. Their products are used in more than 170 countries, by over three billion people. Huawei inverters are used at the world's largest single PV plant, tracking system PV plant and rooftop-mounted PV plant.

Will sun2000 3/4/5/6/8/10kTL-m0 work with Huawei smart string ESS?

*2. SUN2000-3/4/5/6/8/10KTL-M0 will be compatible with HUAWEI smart string ESS in Q1, 2021. Recommended max. PV power 1 *1 Inverter max input PV power is 20,000 Wp when long strings are designed and fully connected with SUN2000-450W-P power optimizers. *2 The maximum input voltage is the upper limit of the DC voltage.

SOLAR.HUAWEI SUN2000-215KTL-H0 Technical Specifications Efficiency Max. Efficiency 99.00% European Efficiency 98.80% Input Max. Input Voltage 1,500 V Max. Current per MPPT 30 A Max. Short Circuit Current per MPPT 50 A Start Voltage 550 V MPPT Operating Voltage Range 500 V ~ 1,500 V Nominal Input Voltage 1,080 V Number of Inputs ...

SOLAR .HUAWEI Efficiency Curve. Circuit Diagram. Max. efficiency 98.7%. Type II surge arresters for

DC & AC. Efficient. 8 strings intelligent monitoring. Safe. Fuse free design. Smart. ... Any DC input voltage beyond the operating voltage range may result in inverter improper operating . 3. For Austria, German, Belgium & Ukraine the Max ...

Any higher input DC voltage would probably damage inverter. *2 Any DC input voltage beyond the operating voltage range may result in inverter improper operating. *3 Compatible TYPE II protection class according to EN/IEC 61643 -11

Inverter Output Filter Output Relay EMI SPD L1 L2 L3 N PE Max. efficiency 98.8% Type II surge arresters for DC & AC ... Efficiency [%] Load [%] SUN2000 -100KTL M1 ...

SUN2000-3/4/5/6/8/10KTL-M0 will be compatible with HUAWEI smart string ESS in Q1, 2021. Recommended max. PV power 1. *1 Inverter max input PV power is 20,000 Wp ...

-(2KTL-6KTL)-L1 Datasheet. ... ABNT, UTE C15-712, RD Grid connection standards 1699,TOR D4, IEC61727, IEC62116 *1 Inverter single MPPT max. input power is 6,000 Wp when long strings are designed and ... the preceding values are measured by an internal laboratory of Huawei in a specific environment. The actual values may vary with ...

Any higher input DC voltage would probably damage inverter . *3 Any DC input voltage beyond the operating voltage range may result in inverter improper operating. *4 SUN2000- 12~20KTL-M2 raises potential between PV - and ground to above zero through integrated PID recovery function to recover module degradation from PID. Supported module types ...

The inverter withstands high-density dust of 30 mg/m², passing a comprehensive test of temperature, humidity, and corrosive dust invented by Huawei labs (IP66 protection) Accurate, Ahead of the Curve With Huawei's exclusive insulation ...

Inverter Output Filter L1 L2 L3 PE Output Relay SPD SPD SPD EMI MPPT1 MPPT2 MPPT3 MPPT4 MPPT5 MPPT6 MPPT7 MPPT8 MPPT9 9 MPP Trackers 99.0% Max. Efficiency String-level Management ... SOLAR.HUAWEI SUN2000-185KTL-H1 Technical Specifications Efficiency Max. Efficiency 99.03% European Efficiency 98.69% Input Max. Input ...

*2 The max. input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage the inverter. *3 Any input DC voltage beyond the operating voltage range may result in inverter malfunction. Technical Specification SUN2000-12KTL-M5 SUN2000-15KTL-M5 SUN2000-17KTL-M5 SUN2000-20KTL-M5 SUN2000-25KTL-M5 Efficiency

Smart Energy Controller: un inverter solare sviluppato da Huawei per una generazione di energia con rendimenti pi> elevati, sicurezza attiva e affidabile. La protezione AFCI intelligente garantisce la sicurezza del ...

Max. Current per MPPT: 22 A. Max. Short Circuit Current per MPPT : 30 A. Start Voltage: 250 V. MPPT Operating Voltage Range: 200 V ~ 1,000 V. Rated Input Voltage

Inverter Output Filter Output Relay SPD SPD SPD EMI Filter MPPT1 1 MPPT2 MPPT3 MPPT4 MPPT6 + + L1 L2 L3 N PE DCSwitch 3 MPPT7 MPPT8 MPPT9 ... SOLAR.HUAWEI /EU/ Technical Specification SUN2000-100KTL-M2 Efficiency Max. efficiency 98.6% @ 400 V, 98.8% @ 480 V European efficiency 98.4% @ 400 V, 98.6% @ ...

SOLAR.HUAWEI Efficiency [%] Efficiency Curve Circuit Diagram Load [%] SUN2000-60KTL-M0 SUN2000-60KTL-M0 Smart String Inverter Max. efficiency 98.7% Type II surge arresters for DC & AC

*1 Inverter single MPPT max. input power is 6,000 Wp when long strings are designed and fully connected with SUN2000-450W-P2, SUN2000-600W-P optimizers. *2 The maximum input ...

Inverter@Huawei HUAWEI TECHNOLOGIES USA Inc. 5700 Tennyson PKWY, Plano, Tx 75024 Tel.: 214-919-6000 TAC Line:1-877.4HUAWEI (1-877-448-2934) (7*24)

93% 94% 95% 96% 97% 98% 99% 0% 20% 40% 60% 80% 100% 800V 600V 530V Efficiency Curve Circuit Diagram Smart PV Controller SUN2000-50KTL-M3 SUN2000-50KTL-M3 AI 2 Powered ...

Compatible Battery HUAWEI Smart String ESS 5kWh - 30kWh Operating voltage range 600 V ~ 980 V Max operating current 16 A Max charge Power 10,000 W Max discharge Power 3,300 W 4,400 W 5,500 W 6,600 W 8,800 W 10,000 W ... Huawei SUN2000-3-10KTL-M1 Smart Hybrid Inverter Data Sheet

Max. inverter backfeed current to PV array. 0 A. Full power MPPT voltage range. 320-800 V. 380-800 V. 400-800 V. 480-800 V. 520-800 V. Maximum number of inputs. 4. 6. Number of MPP trackers. 2 a. 3 b. a: Two MPPT routes can work independently or work in parallel.

Huawei Technologies Co., Ltd. Solar Inverter Series SUN2000-110KTL-M2 (CN). Detailed profile including pictures, certification details and manufacturer PDF

Web: <https://www.bardzyndzalek.olsztyn.pl>



Voltage range: 691.2-947.2V

>6000 cycles(100%DOD)

Rated battery capacity:
216KWH (customizable)

EMS communication:
4G/CAN/RS485