

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 much power can a solar inverter use?

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. Any higher input DC voltage would probably damage inverter.

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 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.

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%.

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.

*2. The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage the inverter. *3. Any DC input voltage beyond the operating voltage range may result in inverter ...

*3 Any DC input voltage beyond the operating voltage range may result in inverter improper operating. *4 C10 / 11: 10,000 VA *5 SUN2000-3~10KTL-M1 raises potential ...

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 ...

*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 ...

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

-(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 ...

Inverter SPD Output Relay EMI Filter Output EMI DC Filter Switch 1 SPD SUN2000-90KTL-H2 Smart String Inverter 6 MPP Trackers 99.0% Max. Efficiency String-level ...

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 ...

If the input voltage exceeds the threshold, the solar inverter may be damaged. Note b: If the input voltage is beyond the operating voltage range, the solar inverter cannot work properly. Note c: ...

*2 The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter. *3 Any DC input voltage beyond the ...

Download the datasheet of SUN2000-2/3/3.68/4/4.6/5/6KTL-L1 Smart Energy Center, a solar inverter with battery compatibility and AI powered features. See technical ...

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 ...

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SOLAR.HUAWEI SUN2000-215KTL-H0 Technical Specifications Efficiency Max. Efficiency 99.00% European Efficiency 98.80% Input Max. Input Voltage 1,500 V Max. ...

SOLAR.HUAWEI SUN2000-200KTL-H2 Technical Specifications Efficiency Max. Efficiency >=99.00% European Efficiency >=98.80% Input Max. Input Voltage 1,500 V Max. ...

*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 ...

If the input voltage exceeds this value, the inverter may be damaged. Note b: The maximum input power of an MPPT circuit is 21.6 kW. If the input power exceeds this value, the inverter may ...

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 ...

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 ...

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 ...

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