



# Huawei inverter maximum load voltage

How much power does a solar inverter need?

SOLAR . HUAWEI . COM/EU Recommended max. PV power 1 \*1 Inverter max input PV power is 40,000 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.

What is a maximum input voltage?

Note a: The maximum input voltage is the maximum DC input voltage that the inverter can withstand. If the input voltage exceeds this value, the inverter may be damaged. Note b: If the input voltage is beyond the operating voltage range, the inverter cannot work properly.

How much power does Huawei use per string?

Disclaimer: The preceding values are measured by an internal laboratory of Huawei in a specific environment. The actual values may vary with products, software versions, usage conditions, and environmental factors. Recommended max. PV power 25,500 Wp 37,500 Wp Max. DC power per string 12,000 W

Why is my sun5000 series inverter NOT working?

\*2. Any DC input voltage beyond the operating voltage range may result in inverter improper operating.  
\*3. The SUN5000 Series Inverters must be fully equipped with optimizers, otherwise the system will report errors and can not work. Disclaimer: The preceding values are measured by an internal laboratory of Huawei in a specific environment.

What is the maximum power allowed in a PV module?

Max. Total Harmonic Distortion Max. Operating Altitude without Derating \*1 The maximum power of PV module at STC shall NOT exceed the "Rated input DC power" of MERC -1100/1300W-P. PV Modules with up to +5% power tolerance are allowed. \*2 Any power optimizer, which is connected to an operating inverter in a PV string, will be bypassed when it fails.

Does high DC voltage damage inverter?

Any higher input DC voltage would probably damage inverter. Disclaimer: The preceding values are measured by an internal laboratory of Huawei in a specific environment. The actual values may vary with products, software versions, usage conditions, and environmental factors. Recommended max. PV power 1 12,000 Wp 15,000 Wp

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