

## SolarTech Power Solutions

# PV Inverter Specifications 920



## Overview

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What are inverter specifications?

Specifications provide the values of operating parameters for a given inverter. Common specifications are discussed below. Some or all of the specifications usually appear on the inverter data sheet. Maximum AC output power This is the maximum power the inverter can supply to a load on a steady basis at a specified output voltage.

What is a Tesla Solar inverter?

Tesla Solar Inverter completes the Tesla home solar system, converting DC power from solar to AC power for home consumption.

How much power can a solar inverter use?

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 the maximum system voltage allowed by Tesla Solar inverter?

6 Maximum System Voltage is limited by Tesla Solar Inverter to 600 V DC. 7 Maximum Disconnect Voltage is the maximum voltage allowed across each MCI in the open position (Rapid Shutdown Initiated). An individual MCI-2 has a voltage rating of 165V but in combination (connected in the same string) their voltage ratings are additive.

How much power does a commercial inverter have?

Large residential inverters are in the 3,000 W to 6,000 W range, with single-phase power. Small commercial inverters Small commercial inverters are in the 13 kW to 15 kW range and can include three-phase power. Large commercial inverters Large commercial inverters are in the 60 kW to 100 kW range.

What is the output voltage of a grid-tie inverter?

For inverters designed for residential use, the output voltage is 120 V or 240 V at 60 Hz for North America. It is 230 V at 50 Hz for many other countries. Peak Efficiency The peak efficiency is the highest efficiency that the inverter can achieve. Most grid-tie inverters have peak efficiencies above 90%.

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### Contact Us

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