



# What does solar panel specification 545 mean





## Overview

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What is 545W Half Cut Solar Panels?

A 540W Half-Cut Solar Panel refers to a photovoltaic panel that has a power output of 540 watts and employs a "half-cut" cell design. In a half-cut design, the solar cells on the panel are divided into two halves, which are then wired in series.

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Solar panels work similarly, where specifications determine real-world performance. The 545 model typically delivers 545W power output with 21.3% module efficiency, but let's unpack what these numbers truly mean. When evaluating photovoltaic panel 545 specifications, you're not just reading technical.

Superior Power Density: 545W panels deliver 35-45% more power generation per panel compared to standard 400W modules, making them ideal for space-constrained installations while reducing overall system costs through fewer required panels and simplified installation. Advanced Half-Cell PERC.

This high-performance module offers impressive power output and efficiency, making it an excellent choice for residential and commercial solar installations. The Canadian Solar 545W panel boasts a cutting-edge design and advanced solar cell technology, ensuring maximum energy production in various.

(Electrical Data At STC) Too many choices of suppliers and products?

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What is the voltage of a 545w solar panel?



1. A 545W solar panel typically operates at approximately 40-45 volts under standard test conditions (STC), 1, a voltage range that optimally supports grid-tied or off-grid systems, 2, and this range can vary based on temperature, 3, which affects the.

These solar modules are equipped with a state-of-the-art 144-cell configuration, 10BB technology, and Mono PERC cells, ensuring maximum sunlight absorption and efficient energy conversion. With a power output of 545 watts, these panels are well-suited for meeting the energy needs of both homes and.



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### **JA Solar JAM72D30 545W Solar Panel Specifications , Southwest Solar**

545W output with 21.3% efficiency for maximum energy generation in limited space. Excellent temperature coefficient ensures reliable performance in high-temperature conditions. ...

### **Understanding Photovoltaic Panel 545 Specifications for Optimal Solar**

Imagine trying to buy a car without knowing its horsepower or fuel efficiency. Solar panels work similarly, where specifications determine real-world performance. The 545 model typically ...



### [How To Read A Solar Panel Spec Sheet: A ...](#)

Learn how to read a solar panel spec sheet to compare manufacturers, calculate efficiency, and determine the best panels for ...

### [What is the voltage of a 545w solar panel?](#)

For a 545W solar panel, the operating voltage typically falls between 40 to 45 volts when assessed under standard testing conditions ...



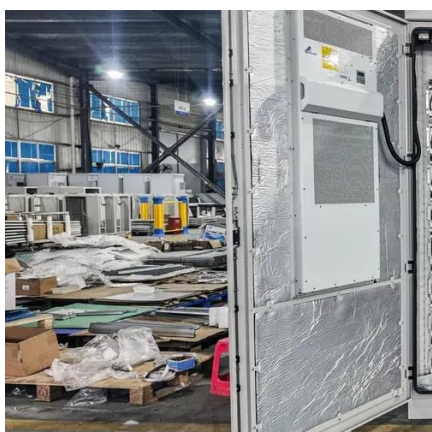


## 545 Watt Solar panels for sale , Prices, dimensions, weight, ...

545 Watt Solar panels' range of prices, dimensions, sizes, voltage output, specifications datasheets Ranges of information Voltage: 31.29V ~ 51V Amp: 7.92A ~ 17.42A

### [JA Solar JAM72D30 545W Solar Panel Specifications](#)

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## 545W Jinko Solar Specs

This document provides specifications for a Jinko monocrystalline photovoltaic panel. It lists the rated power output of 545W, open circuit voltage of 49.52V, and short circuit current of 13.94A ...



## Canadian Solar 545W Datasheet

In this section, we will provide an overview of the main specifications and features of the Canadian Solar 545W solar panel. This high-performance module offers impressive power output and ...



### Understand solar panel specification sheets and how to read them

A solar panel spec sheet provides valuable information about the operating parameters of a panel and can help designers, engineers, and installers determine how to configure a solar PV system.

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### [What is the voltage of a 545w solar panel? , NenPower](#)

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### [Bluebird 545 Watt Half Cut Solar Panels](#)

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### [545 Watt Solar Panels: Complete 2025 Buyer's Guide & Review](#)

Comprehensive guide to 545W solar panels including top models, specifications, installation requirements, and ROI analysis. Compare JA Solar, LONGi & more.





## [How To Read A Solar Panel Spec Sheet: A Complete Guide](#)

Learn how to read a solar panel spec sheet to compare manufacturers, calculate efficiency, and determine the best panels for your project.







## Contact Us

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