

# Sunpower solar panel specs



## Power Conversion System

- Single-stage three-level modularization
- Multi-branch input to reduce battery series and parallels connection





## Overview

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How much power does a solar panel produce?

Module Efficiency: Up to 22.8%. Nominal Power (DC): 420W – 440W. Output Power (AC): 369 VA – 384 VA. Residential SunPower M Series solar panels are specially designed for the SunPower Equinox System and feature 66 Maxeon Gen 6 solar cells to deliver a nominal DC power output of 420-440W before the microinverter, and 369-384VA at the AC output.

What are SunPower M series solar panels?

SunPower M Series solar panels are the result of cutting-edge technology, featuring the Maxeon Gen 6 solar cells and a factory-integrated microinverter. Maxeon Gen 6 solar cells used for the M Series are designed to last longer and perform better, delivering more power during their lifetime.

What is a SunPower AC module?

SunPower AC Module The industry-leading reliability and production of SunPower solar panels combines with microinverter technology to maximise your roof's potential. Let our experts do the legwork.

Is SunPower a good solar power source?

Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018. SunPower is rated #1 on Silicon Valley Toxics Coalition's Solar Scorecard.

How efficient are SunPower & Maxeon solar panels?

In side by side comparisons, the SunPower/Maxeon shuttered cell P-type silicon Maxeon 3 modules' efficiency ratings range between 22.1% and 22.6% also putting them on the highest end of average solar panel efficiency.

How efficient is SunPower vs a conventional solar panel?



Test Load SunPower 360 W compared to a Conventional Panel on same-sized arrays (260 W, 16% efficient, approx. 1.6 m<sup>2</sup>), 4% more energy per watt (based on PVSyst pan files), 0.75%/yr slower degradation (Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, 2013).



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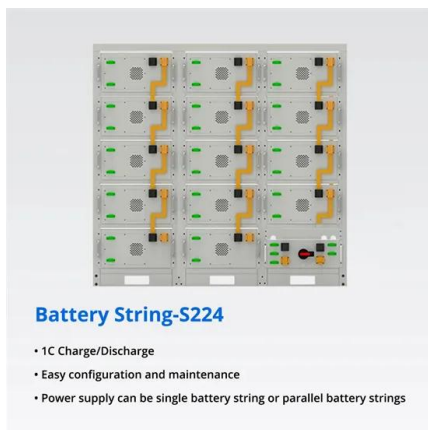


### 100W SunPower Solar Panel

The SunPower Maxeon Solar Cell has been using in this panel is the only cell that built on a solid copper foundation when others are built on a plastic sheet. This helps to build its ruggedness against the moist environment and cracking ...

### SunPower® X-Series Residential Solar Panels , X21-335 ...

SunPower® X-Series i Residential i i l Solar l Panels l , X21-255 33 -BLK 8 , X21-345 Nominal Power (P<sub>nom</sub>)5 Power Tolerance Avg. Panel Efficiency6 Rated Voltage (V<sub>mpp</sub>) Rated Current ...



### 100 Watt , Sun Powered Yachts

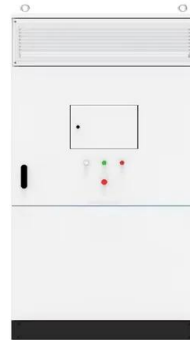
SunPower® 100W E-flex solar panel - spec sheet SunPower® flexible panels deliver the highest power output in their product class. SunPower® panels are constructed with top-grade, lightweight polymer materials, allowing for easy ...

### Sunpower A-Series 400-425 W Residential Module Datasheet

SunPower's new Maxeon® Gen 5 cell is 65% larger than prior generations, delivering the most powerful cell and highest-efficiency panel in



residential solar. The result is more power per ...



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