

# **Sunpower solar panel specifications**





## Overview

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SunPower Maxeon cells use back-contact conductivity, eliminating unsightly metal gridlines, and enabling them to absorb more sunlight.

Metal adds massive strength to each cell, helping it resist corrosion from the elements, while making the entire panel more durable.

Expanding and contracting from daily temperature swings are no problem with our built-in strain relief and thick, triple-redundant connectors.

How much power does a solar panel produce?

Nominal Power (DC): 450W – 475W. Specially designed to integrate with the SunPower Helix System, commercial SunPower M Series solar panels are manufactured using 72 Maxeon Gen 6 solar cells, to deliver a DC power output of 450-475W. This variation of the M series does not feature a built-in integrated micro-inverter.

What are SunPower performance solar panels?

SunPower Performance solar panels demonstrate enhanced efficiency, quality, and reliability compared to Conventional Panels. The industry-leading reliability and production of SunPower solar panels combines with microinverter technology to maximise your roof's potential.

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.

How efficient is a SunPower solar panel?

PVSC 2018. IHS 2018. 4 "SunPower Module 40-Year Useful Life," SunPower whitepaper. 2013. 5 SunPower 420 W, 22.5% efficient, compared to a Conventional Panel on same-sized arrays (310 W mono PERC, 19% efficient, approx. 1.64 m<sup>2</sup>).



How many dppm is a SunPower panel?

8 SunPower panels are less than 50 dppm, or 0.005%, on over 15 million panels shipped - Source: SunPower White Paper, 2019. Complete Confidence Warranty applies to SunPower Maxeon DC Module only. Microinverter covered by 25-year limited product warranty by Enphase.

What is a SunPower Maxeon solar panel?

SunPower's comprehensive panel portfolio ensures maximum flexibility to address all of your energy needs. SunPower Maxeon solar panels are the highest efficiency panel you can buy with unmatched reliability \* and maximum production.



## Sunpower solar panel specifications

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### [SunPower M series SPR-M435-H-AC](#)

All you need to know about the SunPower M series SPR-M435-H-AC solar panel including rating, cost, efficiency, and warranty terms. Power (measured in watts) and efficiency (how well panels convert sunlight to electricity) are some of the most common metrics used ...

### SunPower X Series Solar Panels: Should You Choose Them for ...

Click to study the benefits, variations and specs of SunPower X-Series solar panels and how they compare against competitor panel options. Module Efficiency: Up to 22.2%. Nominal Output Power: 335W - 360W. Temperature Coefficient: -0.29%/°C Operating



- IP65/IP55 OUTDOOR CABINET
- OUTDOOR MODULE CABINET
- OUTDOOR ENERGY STORAGE CABINET
- 19 INCH



### P-Series-Datasheet INTL P5 UPP BIF Glass-Glass

Smaller cells extend panel life, optimizing current to keep cells cooler when shaded. 3 Power Plant Bifacial Solar Panel SunPower Performance 5 UPP panels are engineered to meet the unique needs of large-scale solar power plants. Performance

### SPR-E20-327 solar panel from SunPower: specs, prices and ...

See specifications, prices, warranty info and reviews for the SPR-E20-327, a 327 Monocrystalline solar panel from SunPower. Cost and savings calculator Use our calculator to quickly get price cost estimates for your specific



project.



### [Solar Panel Specifications for Dummies](#)

Specifications of a solar panel from Sunpower  
Let's dive in to get through the output specifications of solar panels. Open Circuit Voltage (VOC) Open Circuit Voltage or OCV refers to the production of the maximum level of ...



### **SPR-X22-360 solar panel from SunPower: specs, prices and ...**

See specifications, prices, warranty info and reviews for the SPR-X22-360, a 360 Monocrystalline solar panel from SunPower. Detail Value Output warranty term 25 yrs, Linear Output warranty details : 1st Year 98%, from 2-24th year: 0.25%/year down, after 25th



### **SPR-E20-435-COM solar panel from SunPower: specs, prices ...**

See specifications, prices, warranty info and reviews for the SPR-E20-435-COM, a 435 Monocrystalline solar panel from SunPower. Cost and savings calculator Use our calculator to quickly get price cost estimates for your specific project.





### MAXEON 3 SOLAR PANEL

MAXEON 3 SOLAR PANEL 415-430 W , Up to 22.7% Efficient Ideal for residential applications White backsheet, black frame Learn more about the SPR-MAX3-XXX sunpower.maxeon More Lifetime Energy Designed to maximise energy generation through



### SunPower E-Series Residential AC , E20-327 , E19-320

in solar. 100% 98% 96% 94% 92% 90% 88% 86% 84% 82% 80% 0 5 10 15 20 25 Years of operation 12% more power in year 25 E-Series and X-Series And Better. The SunPower® Maxeon® Solar Cell

### SunPower Performance Panel Technology for Large-scale ...

Maxeon Solar Technologies designs, manufactures and sells SunPower brand solar panels in more than 100 countries around the world. Its flagship SunPower Maxeon solar panels reach record-setting efficiency and unmatched reliability 1, while its SunPower Performance solar panels offer reliability



Deye inverters and Deye batteries are more compatible.

### SPR-MAX3-400 solar panel from SunPower: specs, prices and ...

See specifications, prices, warranty info and reviews for the SPR-MAX3-400, a 400 104 Monocrystalline Maxeon gen III solar panel from SunPower. Detail Value Output warranty term 25 yrs, Linear Output warranty details 2% degrading in first 2 years, then 0.25%



### **SPR-320E-WHT-D solar panel from SunPower: specs, prices and ...**

See specifications, prices, warranty info and reviews for the SPR-320E-WHT-D, a 320 Monocrystalline solar panel from SunPower. Cost and savings calculator Use our calculator to quickly get price cost estimates for your specific project.



### [Module Datasheets INTL v3.3 3models 121918](#)

Residential Solar Panel. SunPower Maxeon panels combine the top efficiency, durability and warranty available in the market today, resulting in more long-term energy and savings. 1,2. ...

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

Built specifically for use with the SunPower Equinox system, the only fully integrated solution designed, engineered and warranted by one manufacturer. Highest Power Density Available.

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### **SPR-A440-COM solar panel from SunPower: specs, prices and ...**

See specifications, prices, warranty info and reviews for the SPR-A440-COM, a 440 Monocrystalline Silicon solar panel from SunPower. Cost and savings calculator Use our calculator to quickly get price cost estimates for your specific project.



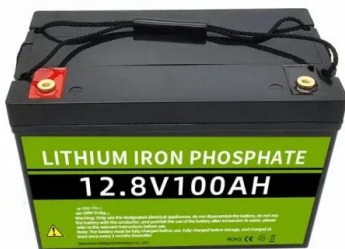
### [High Efficiency Solar Panels](#)

SunPower is known for high efficiency solar panels, top performance and highest quality materials. It all translates to better solar panels, more savings, and happier customers. Learn more about the most efficient solar panels available to ...



### Max 5 AC datasheet en

4 "SunPower Module 40-Year Useful Life," SunPower whitepaper. 2013. 5 SunPower 420 W, 22.5% efficient, compared to a Conventional Panel on same-sized arrays (310 W mono PERC, 19% efficient, approx. 1.64 m<sup>2</sup>). 6 PV Evolution Labs "SunPower Shading



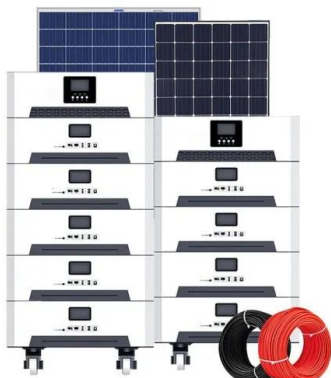
### MAXEON 6 AC SOLAR PANEL

MAXEON 6 AC SOLAR PANEL 410-425 W , Up to 22.0% Efficient Factory-integrated microinverter Black backsheet, AC black frame Learn more about the SPR-MAX6-XXX-BLK-E3-AC sunpower.maxeon More Lifetime Energy Designed to maximise energy



### [Learn about SunPower Solar Panels](#)

Learn about SunPower solar panels and how they deliver more power in real-world conditions. Read how our solar panel warranty compares to the competition. Power, product, and service, we've got you covered!





### [Sunpower SPR-200-BLK-U \(200W\) Solar Panel](#)

Spec sheet/data sheet for the Sunpower SPR-200-BLK-U (200W) solar panel. Generate a Solar Permit Package for a design using Sunpower SPR-200-BLK-U (200W) Sign up Learn More With SolarDesignTool, you can create a design from scratch and generate a



### **SunPower M-Series Solar Panels: Technology, Specifications,**

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 ...

### **SunPower U-Series 400 Solar Panel Specifications**

The U-Series 400 solar panels are compatible with various solar energy systems, including grid-tied and off-grid setups. Homeowners can also pair these panels with energy storage solutions, such as home batteries, to store excess energy for use ...



Our Lifepo4 batteries can beconnected in parallels and in series for larger capacity and voltage.



### **Equinox Solar Panel System , SunPower By SolarTech**

Leading the way in solar innovation, SunPower's Equinox AC solar panel systems include inverters, racking, and components made by SunPower and designed to work together. Built with new Maxeon® Gen 5 solar cells, delivering up to 22.3% efficiency and available in 400+ watt solar panel Equinox systems.



### SUNPOWER SPR-E-FLEX-50 FLEXIBLE 50 WATT solar panel from SunPower

See specifications, prices, warranty info and reviews for the SUNPOWER SPR-E-FLEX-50 FLEXIBLE 50 WATT, a 50 Mono-crystalline Silicon solar panel from SunPower. Detail Value Output warranty term 5 yrs, Linear Output warranty details 5 years limited power



### SunPower Maxeon

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### [Module Datasheets INTL v3.3 3models 121918](#)

1 SunPower 400 W, 22.6% efficient, compared to a Conventional Panel on same-sized arrays (260 W, 16% efficient, approx. 1.6 m<sup>2</sup>), 7% more energy per watt (based on PVSyst pan files for avg EU climate), 0.5%/yr slower degradation rate (Jordan, et. ...



### SunPower Solar Panels

SunPower, founded in 1985, is a solar panel manufacturer based in Richmond. On this page, you can find a complete list of solar panels from SunPower and compare models side-by-side. EnergySage has classified all types of solar equipment into an easy-to



## SunPower 400W Maxeon Solar Panel Review: Specs

The SunPower/ Maxeon 3 BLK-R 405W with shuttered cell P-type silicon modules' efficiency ratings is 21.4% putting this panel on the highest end of average solar panel efficiency. In fact, according to Sunpower's own spec sheets, when comparing efficiency the more affordable Maxeon 3 series performs as well or better than the IBC Maxeon 5 series.



## SUNPOWER SPR-E-FLEX-100 FLEXIBLE 100 WATT solar panel from SunPower

See specifications, prices, warranty info and reviews for the SUNPOWER SPR-E-FLEX-100 FLEXIBLE 100 WATT, a 100 Mono-crystalline Silicon solar panel from SunPower. Detail Value Output warranty term 5 yrs, Linear Output warranty details 5 years limited

## Contact Us

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For catalog requests, pricing, or partnerships, please visit:  
<https://vdbconstruction.co.za>