

SolarInvert Energy Solutions

530W photovoltaic panel specifications



Overview

How long does a 530 W solar panel last?

After the 30 years are over, your modules will still show at least 89.3% of nominal capacity. A substantial 25-year product warranty is also included with this 530 W Silfab solar panel. This module is weatherproof due to the 1.4" frame manufactured from anodized aluminum alloy and a layer of safety tempered glass.

What makes silfab 530-xm a good solar panel?

To further boost the performance, Silfab employs half-cut cell technology. Each of the panel's 132 cells is only half the size of a traditional solar cell. This grants SIL-530-XM lower resistive losses and better shade tolerance. The efficiency of this model reaches 22.3% — well above the market's average.

What is a SIL 530 XM solar panel?

SIL-530-XM is part of the NTC Series — one of the most recent made by Silfab. These panels employ cutting-edge technologies to achieve superior efficiency and reliability. The Passivated Emitter Rear Contact (PERC) technology ensures excellent power output. This solar cell type employs an additional reflective layer to absorb more sunlight.

How much power does sil-530-xm produce?

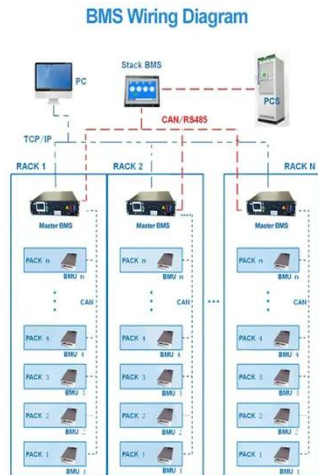
SIL-530-XM produces 530 W of power under typical test settings. The heat is less of a threat with this module: with one of the lowest temperature coefficients in the industry, SIL-530-XM loses just -0.29% of efficiency for every 1.8°F above 77°F.

What is a bifacial SIL 530 XM?

This grants SIL-530-XM lower resistive losses and better shade tolerance. The efficiency of this model reaches 22.3% — well above the market's average. And while conventional panels use only one side to absorb photons, bifacial

modules employ both sides at the same time. Thanks to the technology, this model can be up to 30% more efficient.

530W photovoltaic panel specifications



530w photovoltaic panel specifications and standard ...

The JA 530W solar panel is assembled with multi-busbar PERC half cells offering the advantages of higher power outputs, greater temperature-dependent performances, reduced shading

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Data Sheet TP 540 HG10B (G-G) (new) (1)

*Irradiance of 1000w/m², Spectrum of AM 1.5 and Cell temperature of 25 °C. ** Measurement tolerance on P_{max}±3% a] Tolerance for dimensions±3mm and Tolerance for cable length ...



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product catalog 2024

Global Leading PV Manufacturer and PV System Integrator Bluesun Solar---is one of the solar power solution leading companies in China. Specializing in research and development of ...

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Silfab SIL-530 XM Bifacial , 530W Commercial Panel

Discover the Silfab SIL-530 XM Bifacial Solar Panel. 530W panel with N-type cell technology for commercial projects. US-made, 25-year warranty, 22.3% efficiency.

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AESOLAR , AE MD-144 530-550W , Solar Panel ...

AE Alternative Energy GmbH Solar Panel Series AE MD-144 530-550W. Detailed profile including pictures, certification details and manufacturer PDF

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Silfab 530W Solar Panel 132 Cell SIL-530-XM Bifacial Assembled ...

SIL-530-XM produces 530 W of power under typical test settings. The heat is less of a threat with this module: with one of the lowest temperature coefficients in the industry, SIL-530-XM loses ...

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530 Watt Solar Panel: Complete 2025 Buyer's Guide

Comprehensive guide to 530W solar panels. Compare top models from JA Solar, Jinko, Canadian Solar & more.



Includes performance data, pricing, and installation tips.

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LONGi Hi-MO 5: The Award-Winning Solar Panel Series by LONGi

Here's an in-depth review of LONGi Hi-MO 5 series solar panels covering teches used, design, efficiency, performance, durability and warranty.

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530-550W

The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the ...

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530 Watt Solar Panel: Complete 2025 Buyer's Guide ...

Comprehensive guide to 530W solar panels. Compare top models from JA Solar, Jinko, Canadian Solar & more. Includes performance data, ...

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Tata Power Solar , TP540HG10B (Glass)

Tata Power Solar Systems Ltd. Solar Panel Series TP540HG10B (Glass - Glass). Detailed profile including pictures, certification details and manufacturer PDF

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Jinko 530w Datasheet

These cutting-edge panels are designed to provide reliable and sustainable energy solutions for various applications. Let's explore the key specifications ...

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Zonergy PERC PV Solar Panels Specifications 530W Solar PV Panel

Zonergy PERC Monocrystalline Silicon Photovoltaic Panels - I 530-550 W 72 pcs ZPM 530MH5-72~ZPM 550MH5-72 MBB and half-cell technology applied

CE UN38.3 MSDS



functions to improve energy ...

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Jinko 530-530w solar panel

Our technical and sales teams are ready to meet your requirements and answer any question involving the various applications that use our product's. No. 12, Chunyu Road, Economic and ...

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Canadian_Solar-Datasheet

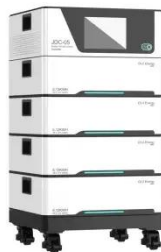
The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Canadian Solar Inc. ...

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Jinko 530w Datasheet

These cutting-edge panels are designed to provide reliable and sustainable energy solutions for various applications. Let's explore the key specifications and features that make Jinko's 530W ...

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Longi Solar 530W Back Contact photovoltaic panel

Photovoltaic panel Longi Solar 530W Back Contact is a modern module with rear electrodes that maximizes energy efficiency and provides an elegant appearance to any installation. ...

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Silfab Solar Panel Spec Sheets: Resources & ...

Explore our resources about Silfab Solar products, including technical downloads, data sheets, pan files, & consumer information sheets. Learn more.

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Jinko 530-530w solar panel

Our technical and sales teams are ready to meet your requirements and answer any question involving the various applications that use our product's. No. 12, ...

GRADE A BATTERY

LiFePO4 battery will not burn when overcharged, over discharged, overcurrent or short circuit and can withstand high temperatures without decomposition.


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Canadian_Solar-Datasheet-SuperPower_CS6K-MS_v5.551_EN

The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Canadian Solar Inc. ...


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Jinko 530W Solar Panel (JKM530M-72HL4) - TSolar

Jinko 530W Solar Panel Overview The Jinko 530W Solar Panel (Model: JKM530M-72HL4) is a high-performance mono-facial module designed for reliability and efficiency. Utilizing advanced ...

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Silfab 530W SIL-530-XM N Type Bifacial Solar Panel

The Silfab SIL-530-XM Bifacial solar panel is a high-efficiency, durable, and long-lasting PV module, delivering superior

energy output and reliability.

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AE_MD-144_530W-550W_Ver24.1.1

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HiKu6 - Canadian Solar - Global

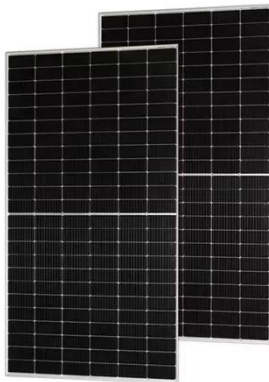
High power power · 182 mm wafer + 156 / 144 dual cell + PERC technology · Module Power up to 590 W · 2.7% more energy yield in module lifetime Lower ...

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Datasheet

POSITIVE POWER TOLERANCE Founded in 1997, Trina Solar is the world's leading total solution provider for solar energy. With local presence around the globe, Trina Solar is able to ...

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Silfab 530W SIL-530-XM N Type Bifacial Solar Panel

The SIL-530-XM solar panel features N-Type TOPCon solar cells, reducing light-induced degradation (LID) and improving overall efficiency. The bifacial design ...


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Outdoor Cabinet BESS

50 kWh/ 500 kWh Battery Storage System
Industrial and Commercial Energy Storage





All In One
Integrating battery packs



Intelligent Integration
Integrated photovoltaic storage cabinet



High-capacity
50 - 500kWh



Rated AC Power
50 - 100kW



Degree of Protection
IP54



Altitude
3000m(>3000m derating)



Operating Temperature Range
-20 ~ 60°C (Derating above 50 °C)

Silfab 530W SIL-530-XM N Type Bifacial Solar Panel

The SIL-530-XM solar panel features N-Type TOPCon solar cells, reducing light-induced degradation (LID) and improving overall efficiency. The bifacial design increases energy yield, ...

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