

## SolarMax Energy Systems

# 182mm monocrystalline PERC modules



## Overview

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What is PERC monocrystalline solar panel?

PERC monocrystalline solar panel is the latest technology and powerful solar panel. It uses PERC cells which are considered to be the latest invention in the solar field. PERC stands for Passivated Emitter and Rear Contact.

What is a monocrystalline PERC cell?

A monocrystalline PERC cell is a more advanced version of the mono cell. It uses additional layers on the rear side of the cell to help capture more energy and increase efficiency.

How many watts can a 182mm PERC solar panel produce?

Laser SE combined with PERC technology makes 182mm solar cell rated power up to 7.58W at 23% efficiency. 72 pieces of 182mm Mono PERC solar cells combined with half-cut technology can make solar panels with power up to 545 watt. High power solar panel helps lower the BOS cost of solar PV system. [\[Product description\]](#) 1.

Are mono-crystalline panels cheaper than PERC modules?

In terms of cost, mono-crystalline (standard) panels are slightly cheaper compared to perc modules. The extra cost associated with the use of passivated layers in mono-perc modules increases the overall pricing. However, if we compare price with per unit of energy produced – then it is the same for both modules.

How many watts can a mono PERC solar panel produce?

72 pieces of 182mm Mono PERC solar cells combined with half-cut technology can make solar panels with power up to 545 watt. It is beneficial for lowering the BOS cost of solar power system. [\[Process flow\]](#) [\[Key features\]](#).

What are the characteristics of 182mm solar cell?

1. Type : Monocrystalline Solar Cell (182mm X 182mm, Diameter 247mm) 2. Geometrical properties ① Shape of Solar Cell : pseudo-square with rounded corners ② Length of wafer edge :  $182 \pm 0.25\text{mm}$  ③ Length (corner to corner) :  $247 \pm 0.25\text{mm}$  3. Power of 182mm solar cell

## 182mm monocrystalline PERC modules

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### 182 Single Glass Module Series

The series integrates 182mm large-size silicon wafers increases the wafer size, optimizes the layout profoundly and decreases the invalid power generation area.

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### High Efficiency Monocrystalline PERC Technology Solar Cells 182mm ...

Lower Cell to Module (CTM) Loss Rate, more suitable for high-efficiency module  
Multiple bus bars effectively reduce power loss Front  
efficiency  $\geq 23.6\%$ , Bifaciality rate  $\geq 70\%$  Mechanical ...



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### Premium 182mm Mono PERC Solar Panel 440W 445W 450W ...

Achieve industry-leading 22.02% efficiency with 182mm monocrystalline solar panels, powered by half-cut cell design and rear-side optimization. These innovations boost energy yield by ...

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## PERC Monocrystalline solar cells (182mm)

Thickness (cell):  $180 \pm 20$  um. Front Side (-): Silicon oxide + blue silicon nitride compound anti-reflection coating (PID Free) ; The front side is a half-cut ...

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## Monocrystalline Silicon 500w Home Solar Panels 48v ...

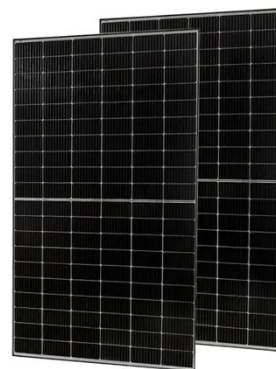
Monocrystalline Silicon 500w Home Solar Panels 48v 500w Monocrystalline 500 Watt Solar Panel PERC Features: 1. Manufactured according to international ...

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## 108HC M10 NTYP SL All Black Module

108HC M10 NTYP SL All Black Module  
108 Half-Cut Monocrystalline 415W - 440W Highly efficient N-type Silicon Solar Cells Low LCOE enabled by High Power Output & Low BOS Cost ...

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## 182mm 132cells Bifacial Perc 500W 505W 510W ...

Featuring double glass lamination and solid PID resistance, our modules ensure a 30-year product lifetime with minimal

power degradation, reducing operational ...

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## High Efficiency Monocrystalline PERC Technology Solar Cells ...

High Efficiency Monocrystalline PERC Technology Solar Cells 182mm Wafer  
Our advanced solar technology presents internal friction reduction with a half-piece design, slashing friction by a ...

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## PNG 530W-550W 182mm Double Glass Bifacial Mono ...

PNSOLARPV is a leading provider of PNG 530W-550W 182mm Double Glass Bifacial Mono PERC Solar Module. We can meet various requirements from ...

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## High Efficiency Monocrystalline PERC Technology Solar Cells 182mm ...

Coupled with superior PID resistance and anti-PID performance, our modules

ensure long-term durability. With reduced sealing damage and CTM loss rates, they are tailored for high ...

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### **Monocrystalline PERC PV Module 182mm Solar Panel 500w ...**

We are PERC PV Module manufacturer & provide Monocrystalline PERC PV Module 182mm Solar Panel 500w 1000 Watt - Wuhan Rixin Technology Co., Ltd..

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### **High Efficiency Monocrystalline PERC Technology Solar Cells 182mm ...**

High Efficiency Monocrystalline PERC Technology Solar Cells 182mm Wafer  
Our advanced solar technology presents internal friction reduction with a half-piece design, slashing friction by a ...

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### **enjoy solar®PERC Monocrystalline Solar panel, ...**

The advantage of 182mm PV Module will





be even more obvious with higher irradiance of the sun and higher ambient temperature. Therefore, the new ...

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## **182mm 132cells Bifacial Perc 500W 505W 510W Double Glass ...**

Featuring double glass lamination and solid PID resistance, our modules ensure a 30-year product lifetime with minimal power degradation, reducing operational costs and ensuring long ...



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## **Bifacial 182mm M10 Monocrystalline PERC Solar Cell**

As one of the leading bifacial 182mm m10 monocrystalline perc solar cell manufacturers and suppliers in China, we warmly welcome you to wholesale high quality P Type Silicon Solar Cell ...

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## **enjoy solar®PERC Monocrystalline Solar panel, 182mm solar ...**



enjoy solar® PERC Monocrystalline Solar panel, 80W 12V manufactured by 182mm solar cells with 10Busbars, the efficiency reached above 23.1% and is your good

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## 420W Full Black 10BB Mono PERC 182mm Half Cell PV Solar

Large-format modules with M10 wafer size use frame packaging to ensure module strength. Monocrystalline PERC cells is more efficient, Low current density technology effectively ...

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## High Efficiency Monocrystalline Silicon Solar Cell 182mm Wafer

Our advanced solar technology presents internal friction reduction with a half-piece design, slashing friction by a quarter. Coupled with superior PID resistance and anti-PID performance, ...

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Voltage range: 691.2-947.2V  
>6000 cycles (100% DOD)  
Rated battery capacity: 216KWH (customizable)  
EMS communication: 4G/CAN/RS485

## Weekly PV Module Price Review , SMM

The mainstream transaction price of



double-sided-182mm monocrystalline PERC modules was 1.27 yuan/W last week, and the mainstream transaction price of double-sided ...

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## 182 Monocrystalline Bifacial PERC Solar Cell

182 Monocrystalline Bifacial PERC Solar Cell Low reflection of uniform fine texturing structure Uniform polishing tower base from High square resistance backside alkaline

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## 182mm 132cells Bifacial Perc 500W 505W 510W ...

Harness double power with Sunpal's 182mm 132 half-cut cells bifacial PERC 485W 490W 495W 500W 505W 510W double glass monocrystalline solar ...

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## Sunlike Solar , 182\*182 M10B9B 9BB , Solar Cell ...

Sunlike Solar Co., Ltd established at 2010, which is specialized in researching, developing, designing and

producing new energy products, With the advanced ...

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## Perc 550W 540W single glass / Dual glass bifacial ...

Mogen Solar MG10 Perc monocrystalline single glass 540-555Watt photovoltaic solar panel. The new series integrates 182mm silicon wafers, with perc, multi ...

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## PERC Monocrystalline solar cells (182mm)

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## 505W 132 Cells 182mm All Black Monocrystalline ...

505W 132 Cells 182mm All Black Monocrystalline PERC Module PV Solar Panels Enter your email to obtain the

latest catalog and quotation, and our ...

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## Monocrystalline PERC PV Module 182mm Solar Panel 500w ...

China Monocrystalline PERC PV Module 182mm Solar Panel 500w 1000 Watt, Find details about China PERC PV Module from Monocrystalline PERC PV Module 182mm Solar Panel 500w ...

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## High Efficiency Monocrystalline PERC Technology Solar Cells ...

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As one of the leading bifacial 182mm m10 monocrystalline perc solar cell manufacturers and suppliers in China, we warmly welcome you to wholesale ...

[Get a quote](#)

## **Perc 550W 540W single glass / Dual glass bifacial mono solar module**

Mogen Solar MG10 Perc monocrystalline single glass 540-555Watt photovoltaic solar panel. The new series integrates 182mm silicon wafers, with perc, multi-busbar cell technology and high ...

[Get a quote](#)



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