



N-Type TOPCon

- **30**
Power Warranty
- **<1%**
First year degradation
- **-0.4%**
Linear degradation

Product Name: SUNERGY 560W-580W 72 Cells MBB N-type Topcon 182MM Half-cell High Efficiency Module

Product model: SUN 72M-H8N

Product Description:

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID;

Assembled with multi-busbar N-type Topcon cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

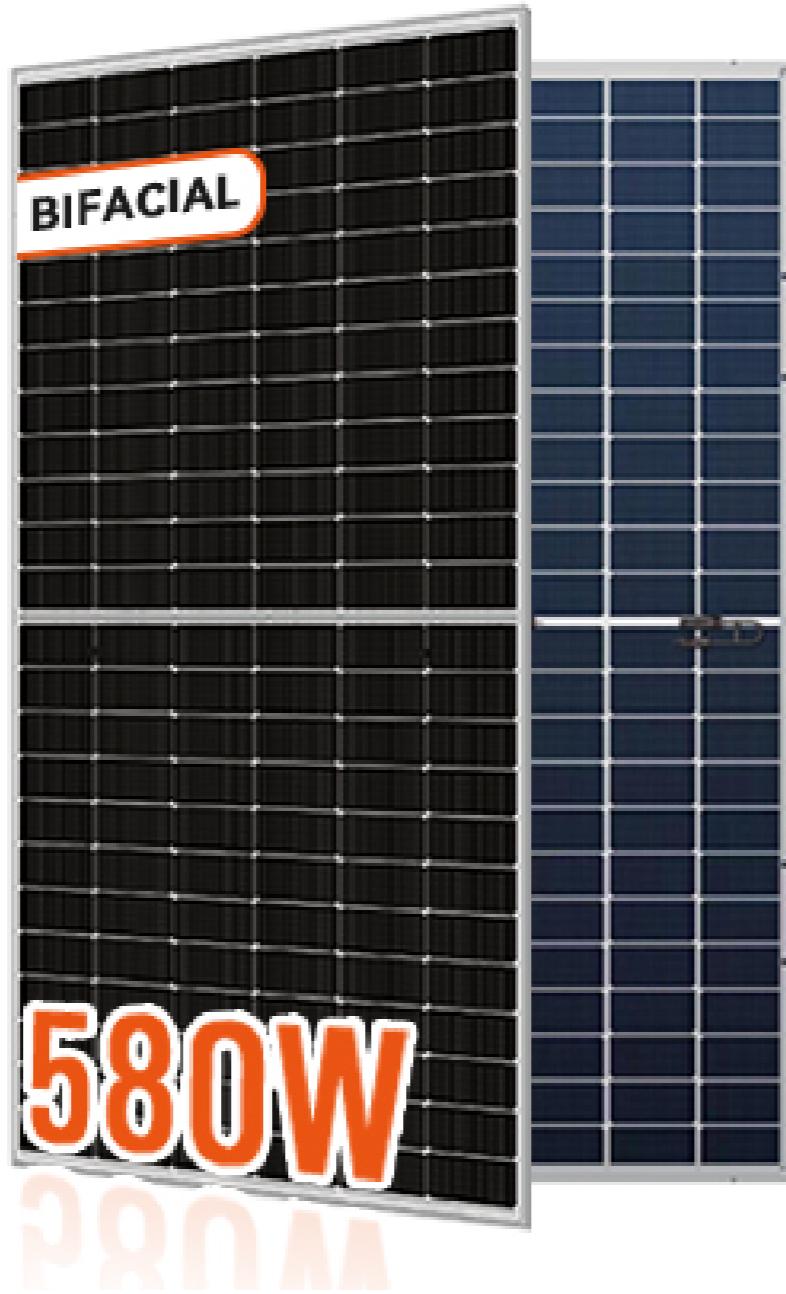
The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	N-type Topcon 182x91mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2278x1134x35mm
Weights	29kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length300mm,4.0mm ²

N-Type TOPCon

- **30**
Power Warranty
- **<1%**
First year degradation
- **-0.4%**
Linear degradation



Cell Type	N-type Mono-crystalline
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2278x1134x30mm
Weights	33kg
Front Glass	2.0mm/2.0mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length300mm,4.0mm ²

Product Name: SUNERGY Bifacial Module with Dual Glass 560W-580W 72 Cells MBB N-type Topcon 182MM Half-cell High Efficiency Module

Product model: SUN 72MD-H8NS

Product Description:

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID;

Assembled with multi-busbar N-type Topcon cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

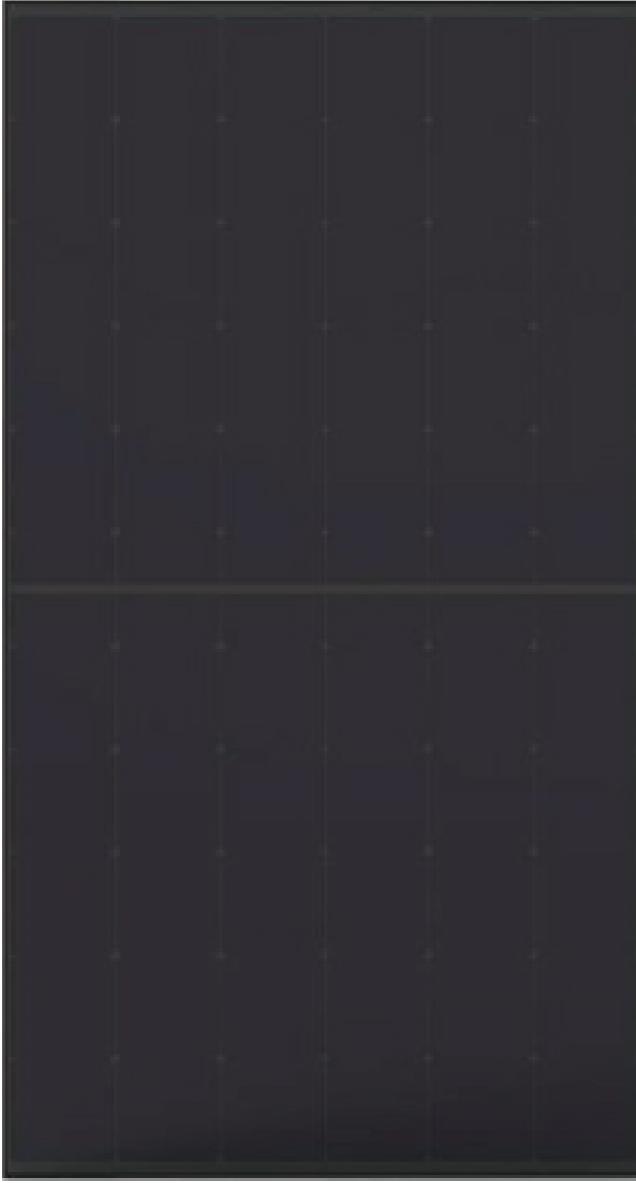
Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;



Product Name: SSUNERGY 415W-425W 66 Cells IBC 166MM Half-cell High Efficiency Module

Product model: SUN 66M-H6I(BK)

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

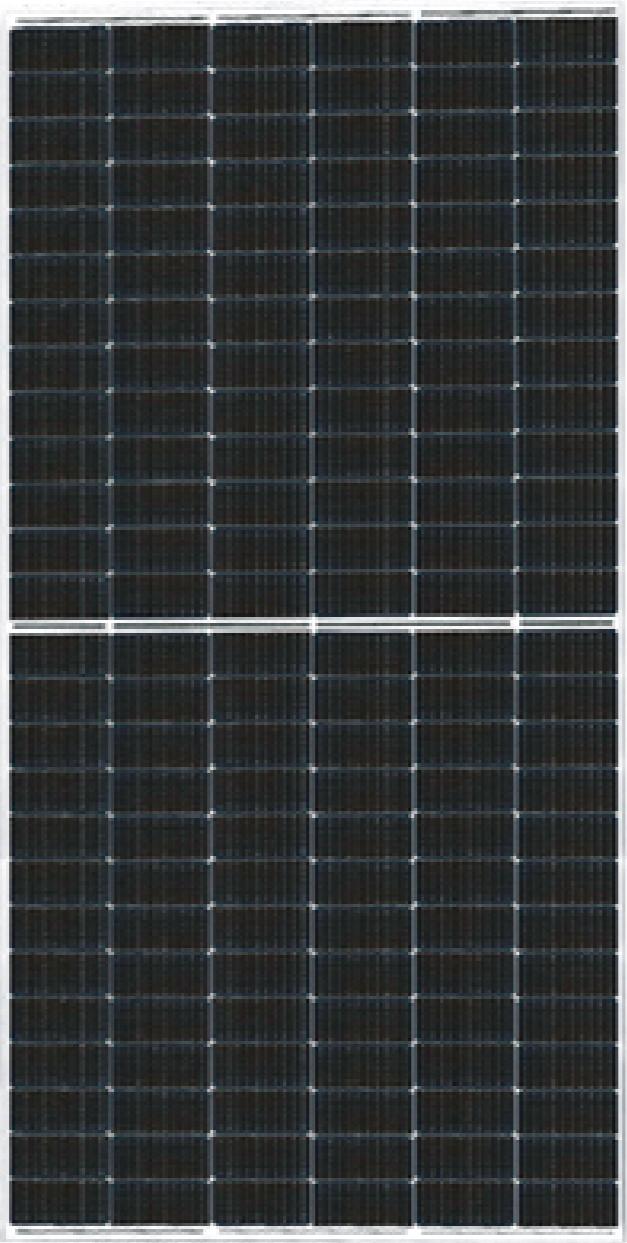
Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	IBC 166x83mm
Number Of Cells	132 (6x22)
Dimensions(AxBxC)	1895x1039x35mm
Weights	21.0kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Three Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length 900mm,4.0mm ²



Product Name: SUNERGY 575W-595W 78 Cells 10BB 182MM Half-cell High Efficiency Module

Product model: SUN 78M-H8

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

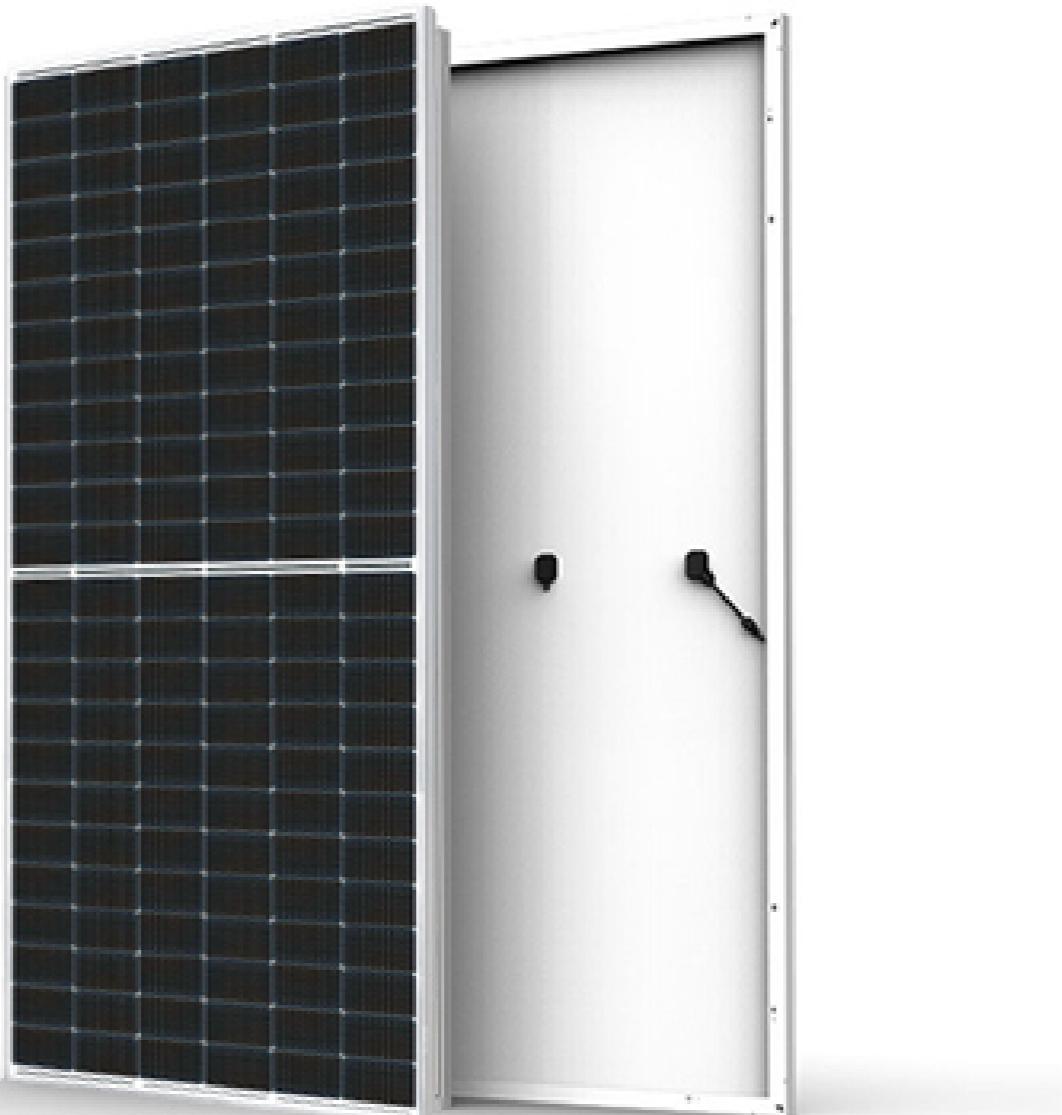
Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	Mono Crystalline 182x91mm
Number Of Cells	156 (6x26)
Dimensions(AxBxC)	2438x1135x35mm
Weights	31kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length 900mm,4.0mm ²



Product Name: SUNERGY 530W-550W 72 Cells 10BB 182MM Half-cell High Efficiency Module

Product model: SUN 72M-H8

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	Mono Crystalline 182x91mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2278x1134x35mm
Weights	28.5kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length 900mm,4.0mm ²



Product Name: SUNERGY 530W-550W 54 Cells 12BB 210MM Half-cell High Efficiency Module

Product model: SUN 54M-H2

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	Mono Crystalline 210x105mm
Number Of Cells	108 (6x18)
Dimensions(AxBxC)	1965x1303x35mm
Weights	31kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length 900mm,4.0mm ²



Product Name: SUNERGY 590W-610W 60 Cells 12BB 210MM Half-cell High Efficiency Module

Product model: SUN 60M-H2

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	Mono Crystalline 210x105mm
Number Of Cells	120 (6x20)
Dimensions(AxBxC)	2172x1303x35mm
Weights	31kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length 900mm,4.0mm ²



Product Name: SUNERGY 650W-670W 66 Cells 12BB 210MM Half-cell High Efficiency Module

Product model: SUN 66M-H2

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	Mono Crystalline 210x105mm
Number Of Cells	132 (6x22)
Dimensions(AxBxC)	2384x1303x35mm
Weights	34.5kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length 900mm,4.0mm ²



Cell Type	Mono Crystalline 166x83mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2108x1048x35mm
Weights	24.0kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm Customized Length

Product Name: SUNERGY 435W-455W 72 Cells Black 9BB 166MM Half-cell High Efficiency Module

Product model: SUN 72M-H6(BK)

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;



Cell Type	Mono Crystalline 166x83mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2285x1134x30mm
Weights	33kg
Front Glass/Back Glass	2.0/2.0mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm,Customized Length

Product Name: SUNERGY 535W-550W Bifacial Dual Glass 72 Cells 10BB 182MM Half-cell High Efficiency Module

Product model: SUN 72MD-H8S

Product Description:

Combines high efficiency PERC bifacial cells with a dual glass construction, which can convert light that hits the back of the module into electricity, generating up to 25% more energy;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

Fire class A certificated reduces the fire risk;

Design with frame makes the module suitable for various bracket installation methods;

Suitable for high temperature, high humidity, coastal, desert, lake and other harsh environment;



Cell Type	Mono Crystalline 166x83mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2108x1048x35mm
Weights	24.0kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm Customized Length

Product Name: SUNERGY 435W-455W 72 Cells 9BB 166MM Half-cell High Efficiency Module

Product model: SUN 72M-H6

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;



Product Name: SUNERGY 435W-450W 78 Cells 9BB 158.75MM Half-cell High Efficiency Module

Product model: SUN 78MD-HFS

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	Mono Crystalline 158.75x79.375mm
Number Of Cells	156 (6x26)
Dimensions(AxBxC)	2198x1010x30mm
Weights	29kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length 900mm,4.0mm ²



Product Name: SUNERGY 440W-460W 78 Cells 9BB 158.75MM Half-cell High Efficiency Module

Product model: SUN 78M-HFD

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

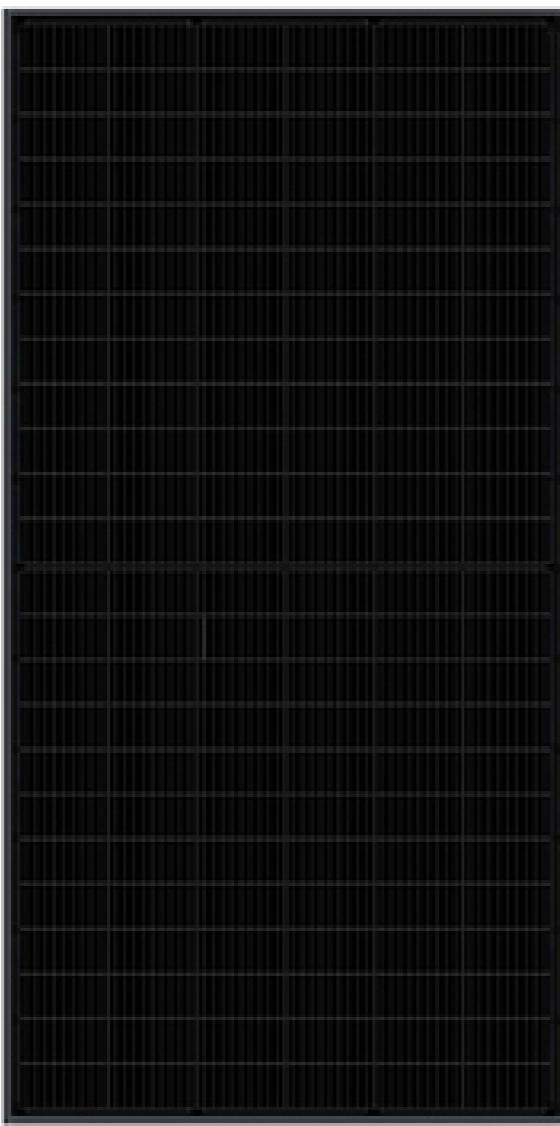
Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	Mono Crystalline 158.75x79.375mm
Number Of Cells	156 (6x26)
Dimensions(AxBxC)	2180x996x35mm
Weights	24.5kg
Front Glass	3.2mm Tempered Low Iron Glass
Frame	Clear Anodized Aluminum Alloy
Junction Box	IP68,with Bypass Diodes
Connector	Mc4 Compatible
Output Cables	Tuv,±length 900mm,4.0mm ²



Product Name: SUNERGY 395W-420W 72 Cells Black 9BB Half-cell High Efficiency Module

Product model: SUN 72M-HF(BK)

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;

Cell Type	Mono Crystalline 158.75x79.375mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2015x996x35mm
Weights	23.0kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² , +300mm, -300mm Customized Length



Cell Type	Mono Crystalline 166x83mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2131x1052x30mm
Weights	29.0kg
Front Glass/Back Glass	2.0/2.0mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm,Customized Length

Product Name: SUNERGY 435W-450W Bifacial Dual Glass 72 Cells 9BB 166MM Half-cell High Efficiency Module

Product model: SUN 72MD-H6S

Product Description:

Combines high efficiency PERC bifacial cells with a dual glass construction, which can convert light that hits the back of the module into electricity, generating up to 25% more energy;

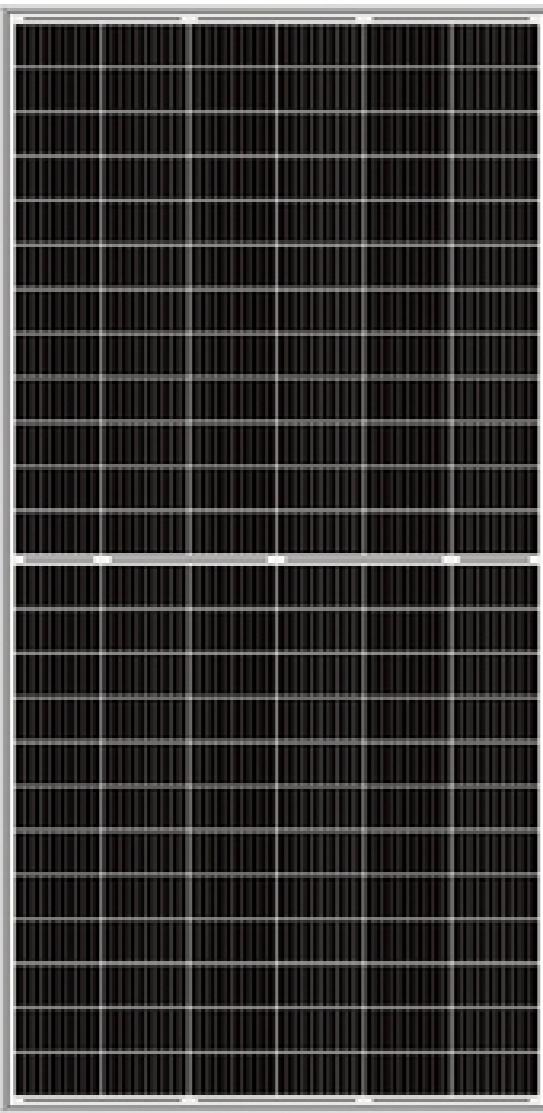
Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

Fire class A certificated reduces the fire risk;

Design with frame makes the module suitable for various bracket installation methods;

Suitable for high temperature, high humidity, coastal, desert, lake and other harsh environment;



Cell Type	Mono Crystalline 158.75x79.375mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2015x996x35mm
Weights	23.0kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm Customized Length

Product Name: SUNERGY 395W-420W 72 Cells 9BB Half-cell High Efficiency Module

Product model: SUN 72M-HF

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;



Cell Type	Mono Crystalline 166x83mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2108x1048x35mm
Weights	24.0kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² .+300mm.-300mm Customized Length

Product Name: SUNERGY 435W-455W 72 Cells 9BB 166MM Half-cell High Efficiency Module

Product model: SUN 72M-H6

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

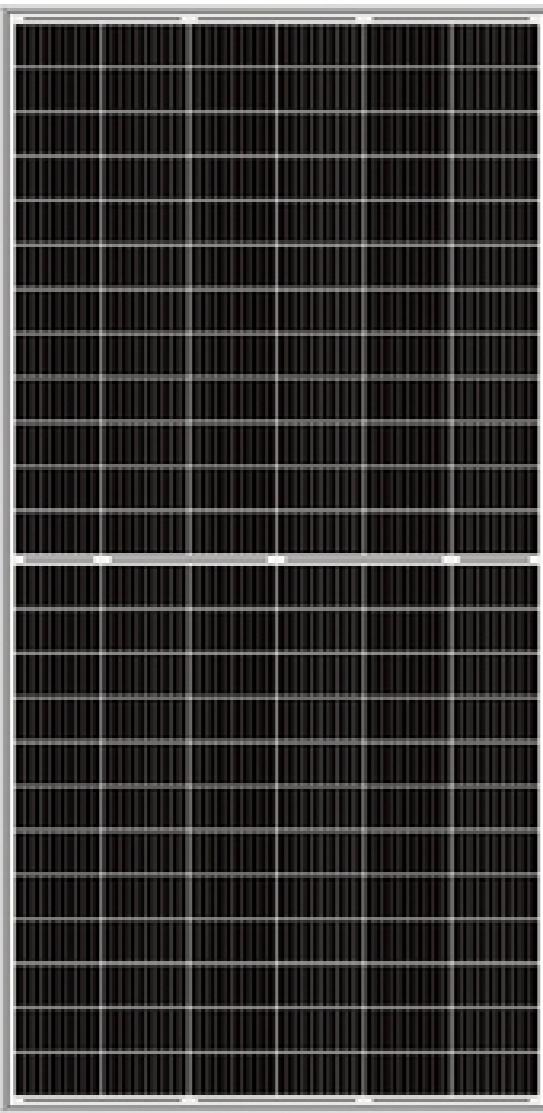
Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;



Cell Type	Mono Crystalline 158.75x79.375mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2015x996x35mm
Weights	23.0kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm Customized Length

Product Name: SUNERGY 395W-420W 72 Cells 9BB Half-cell High Efficiency Module

Product model: SUN 72M-HF

Product Description:

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, reduces BOS cost effectively;

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;

Lower hot spot risks due to half-cell layout, offers an additional level of safety;

1500V DC voltage of the system, reducing the cost of the system side;

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;