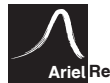


## S345M48BPV S350M48BPV S355M48BPV S360M48BPV S365M48BPV

Shinson is a leading professional supplier in the renewable energy industry, specializing in the production and distribution of high-quality PV modules, completed PV kits, and energy storage solutions. With a commitment to sustainable energy solutions, we strive to provide innovative and reliable products to meet the growing global demand for clean and efficient power generation.

With a focus on quality, innovation, and customer satisfaction, we strive to empower individuals, businesses, and communities with reliable and sustainable energy solutions. By harnessing the power of the sun and embracing renewable energy, we are driving the transition towards a greener and more sustainable future.

S-Blade™ series of PV modules are designed for building integration, agriculture, solar fences and some other applications which request higher transparency modules.



### High transparency, high efficiency

The optimized number and width of main gate lines, ensure the sunlight can go through and high efficiency of cells maximize the power generation.



### Half-Cut Cell design

Half cut cell technology can reduce the internal power loss and improve the output power. Excellent heat dissipation avoids hot spot production.



### Longer life span with 30 years warranty

Shinson extended the warranty period up to 30 years for both performance and workmanship which is on top level of the industry for bifacial double glassed modules.



### Lower power degradation with more generation

Ensured PID resistance through cell process and module material control to help harvest more, guaranteed only 0.4% annual power degradation.

# S.blade<sup>™</sup>

## BIPV Framed

# 365W

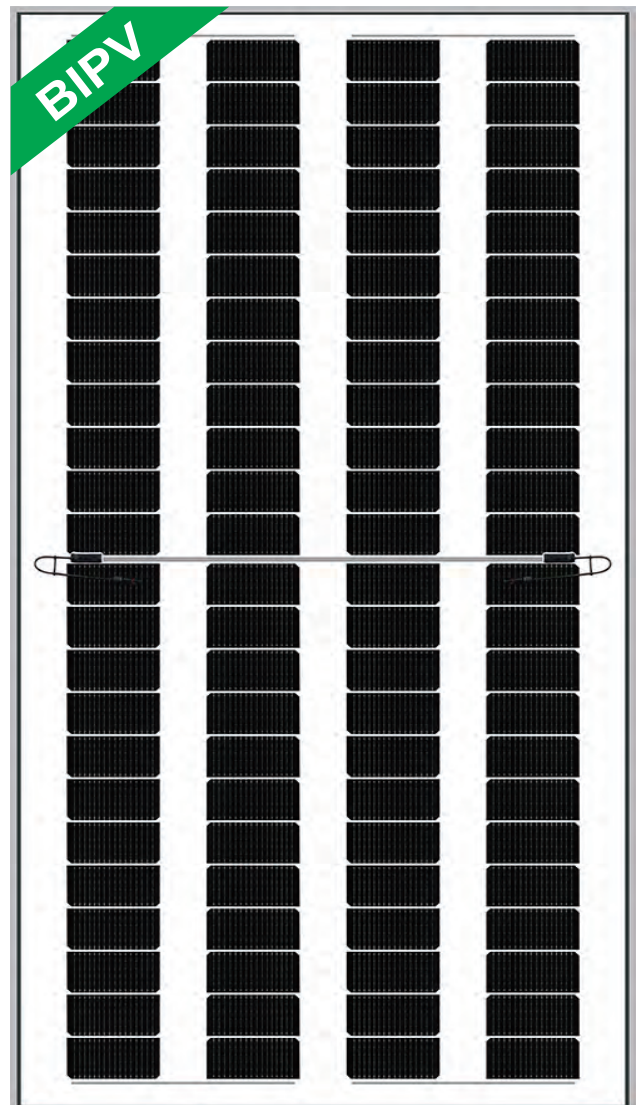
Maximum Output Power

# 96

TOPcon Bifacial Cells

# 35%~45%

Transmittance



## Electrical Data (STC)

Part Number	S345M48BPV	S350M48BPV	S355M48BPV	S360M48BPV	S365M48BPV
Peak Power Watts- $P_{MAX}(Wp)^*$	345	350	355	360	365
Power Output Tolerance	0/+5W				
Open Circuit Voltage- $V_{oc}(V)$	38.22	38.45	38.68	38.91	39.15
Short Circuit Current- $I_{sc}(A)$	11.31	11.40	11.49	11.58	11.67
Maximum Power Voltage- $V_{MPP}(V)$	32.97	33.18	33.37	33.58	33.77
Maximum Power Current- $I_{MPP}(A)$	10.47	10.55	10.64	10.73	10.81

STC :Irradiance 1000w/m<sup>2</sup>,Cell Temperature 25°C \*Mearsure tolerance:±3%

## Electrical Data (NOCT)

MaximumPower- $P_{MAX}(Wp)^*$	260	264	267	271	275
Open Circuit Voltage- $V_{oc}(V)$	36.28	36.50	36.72	36.94	37.17
Short Circuit Current- $I_{sc}(A)$	9.25	9.33	9.40	9.47	9.55
Maximum Power Voltage- $V_{MPP}(V)$	31.03	31.23	31.41	31.61	31.78
Maximum Power Current- $I_{MPP}(A)$	8.38	8.44	8.52	8.59	8.65

NOCT:Irradiance at 800W/m<sup>2</sup>,Ambient Temperature 20°C,Wind Speed 1m/s

## Mechanical Data

Panel Dimension(H/W/0)	2278×1134×30mm
Weight	32.5kg
Cell Type	N-Topcon cells
Cell Number	96 (24x4)
Cell Size	182× 91mm
Front Glass	High transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 Rated
Cable	4mm <sup>2</sup> (IEC) Length: (+) 400mm, (-) 300mm
Connectors	MC4 / MC4 Compatible

## Temperature Ratings

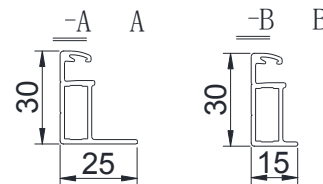
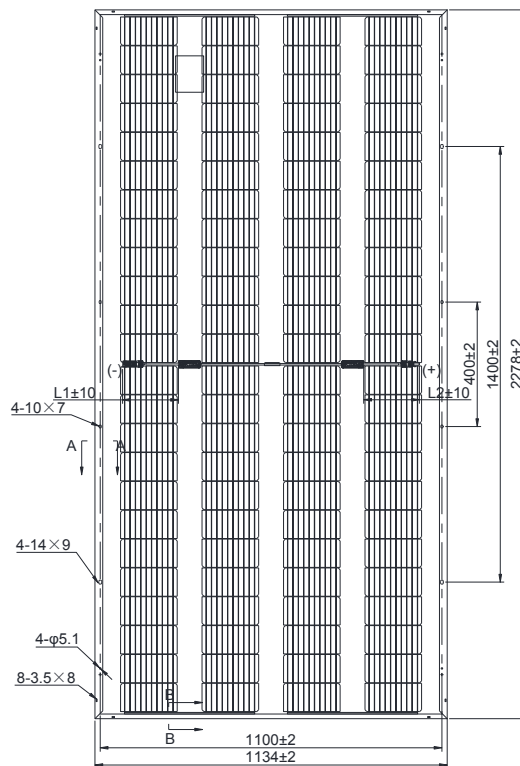
Nominal Operating Cell Temp.(NOCT)	45°C(±2°C)
Temperature Coefficient of $P_{MAX}$	-0.330%/°C
Temperature Coefficient of $V_{oc}$	-0.260%/°C
Temperature Coefficient of $I_{sc}$	+0.042%/°C

\* Do not connect Fuse in Combiner Box with two or more strings in parallel connection

## Packaging Configuration

Modules per box	36 pieces
Modules per 40'container	720 pieces

## Dimensions of PV Module(mm)



## Maximum Ratings

Operational Temperature	-40~±85 °C
Front/Rear Side Load	5400/2400pa
Max Series Fuse Rating	25A
Max System Voltage	1500V (IEC)
Fire Rating	Class A

## Warranty

Product Workmanship Warranty	30 years
Output Power Warranty	30 years

