SHENZHEN SHINE SOLAR CO.,LTD

Tel: 86-755-23129901
info@shinesolartech. com
Fax:86-755-29070155
www. shinesolartech. com

Share the sun
clean the earth

166mm 9BB

380W PERC Half-Cell Module

SN-370~380W Series



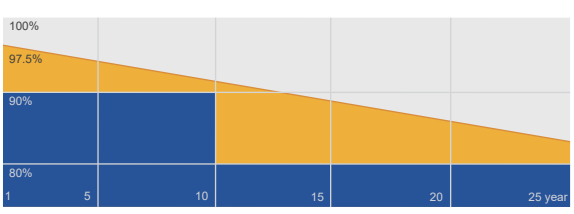
INTRODUCTION

Assembled with high-efficiency PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.

- Higher output power
- Lower temperature coefficient
- Less shading effect
- Better mechanical loading tolerance

SUPERIOR WARRANTY

- 12-year product warranty
- 25-year linear power output warranty

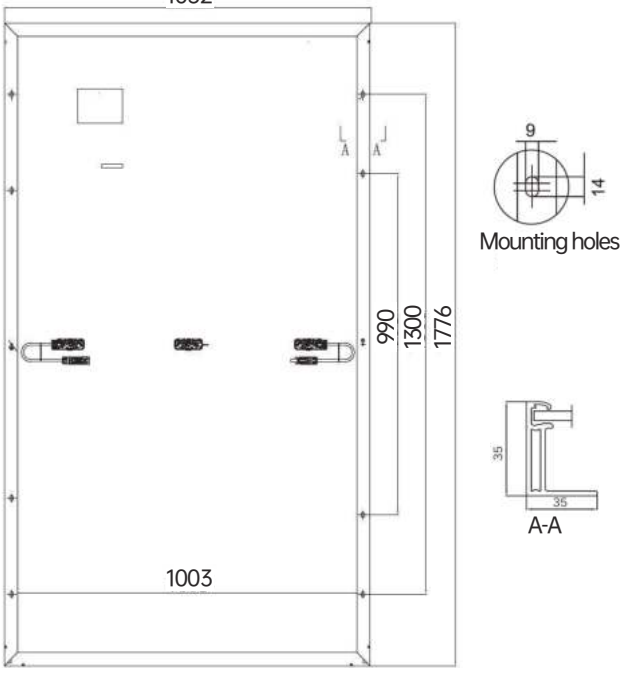


Linear Power Warranty Industry Warranty

PRODUCT PERFORMANCE ADVANTAGE

- Excellent space utilization performance, increasing power density effectively and reducing costs
- Reducing the temperature of the solar module hot spot battery above 20°C , to ensure system stability and reliability
- Larger Size of Light Receiving Area, Higher Solar Panel Power, Lower System Cost
- Lower temperature coefficient, zero depth reflection increasing
- More Busbars, the Less of Broken and cracking , As the Narrowed Cell Bus Bar Width,the Light Receiving Area and Power are Increased too
- Reducing the loss of current mismatch and resistance

MECHANICAL DIAGRAMS



MECHANICAL PARAMETERS

Solar Cells	9BB Monocrystalline 166×166mm
Cell Orientation	120(6×20)
Junction Box	IP68,3 diodes
Output Cable	4mm²,300mm in length,length can be customized
Glass	3.2mm coated tempered glass
Weight	20kg
Dimension	1776 × 1052 × 35mm
Packaging	30pcs per pallet, 300pcs/20'GP, 720pcs/40'HC

OPERATING PARAMETERS

Operating Temperature	-40℃~ +85℃
Power Output Tolerance	0 ~ +5W
Voc and Isc Tolerance	± 3%
Max System Voltage	DC1500V (IEC)
Maximum Series Fuse Fuse	20A
NOCT	45±2℃
Safety Class	Class II

ELECTRICAL CHARACTERISTICS

TYPE	SN-M370W/PR	SN-M375W/PR	SN-M380W/PR
Maximum Power(Pmax/W)	370	375	380
Open Circuit Voltage(Voc/V)	41.3	41.5	41.7
Short Circuit Current(Isc/A)	11.37	11.45	11.54
Maximum Power Voltage(Vmp/V)	34.1	34.3	34.5
Maximum Power Current(Imp/A)	10.86	10.94	11.03
Module Efficiency(%)	19.8%	20.1%	20.3%

Standard Testing Condition: Irradiance 1000W/m² , Cell Temperature 25℃, Air Mass 1.5

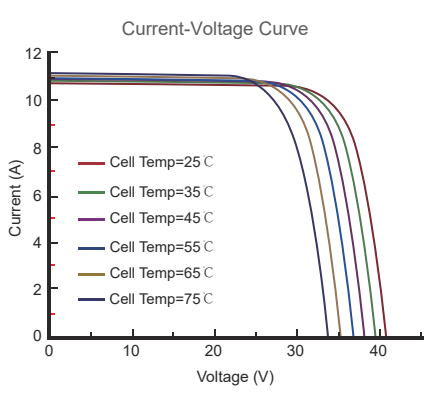
TEMPERATURE COEFFICIENT (STC)

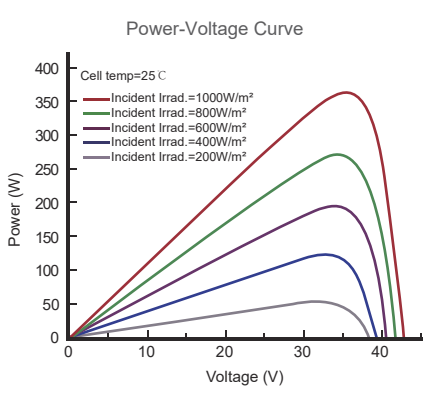
Temperature Coefficient of Isc	+0.057%/℃
Temperature Coefficient of Voc	-0.286%/℃
Temperature Coefficient of Pmax	-0.370%/℃

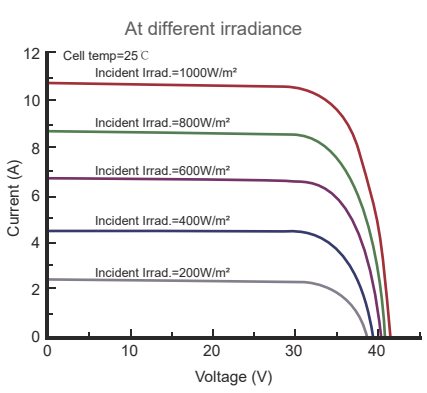
MECHANICAL LOADING

Front side Maximum Static Load (Wind or Snow)	5400Pa
Rear side Maximum Static Load (Wind)	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V CURVE







*** Note:** Due to continuous technical innovation, R&D and mprovement, technical data above mentioned may be of modification accordingly. Shine Solar have the sole right to make such modification at anytime without further notice.