

Monocrystalline Solar PV Module

80W

Power

4.41A

Current

>23%

Cell Efficiency

The Main Features



High efficiency

Module efficiency leading in industry



Power and tolerance

0~+3W positive power tolerance guarantee



Stronger surface resistance to mechanical loads

It has passed the certification of 6000Pa snow load and 3600Pa wind load



High reliability and weather resistance

Through dust, salt fog, ammonia corrosion test, can effectively deal with the harsh environment



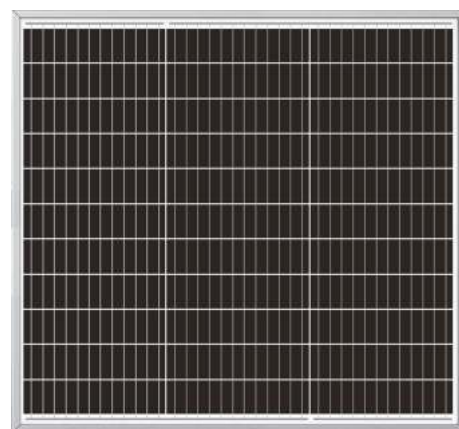
The hail test

It passed the hail test with a diameter of 45mm and a speed of 30.7m/s



Lower temperature coefficient

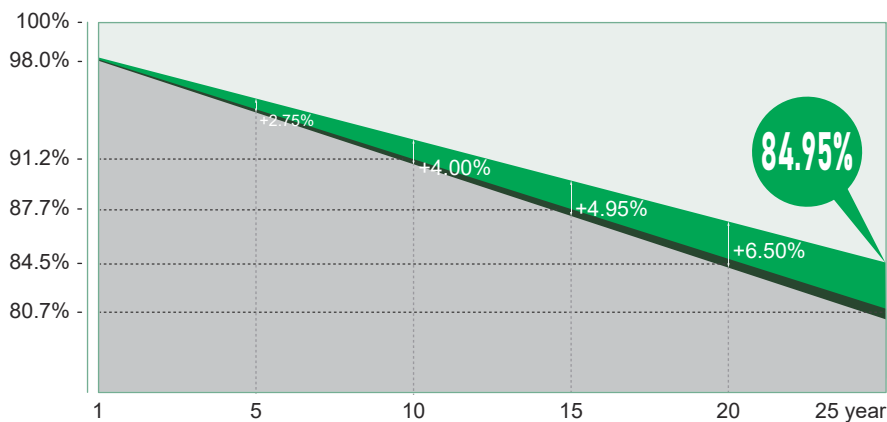
Better temperature coefficient makes the power attenuation less at high temperature



Quality Guarantee

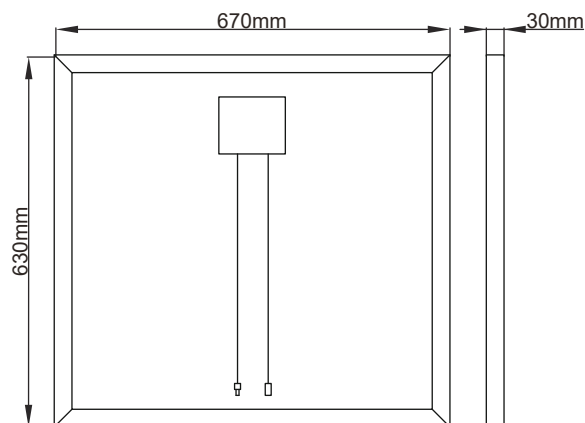
12-year materials & quality warranty

25-year linear power output warranty



Shine Solar linear power output guarantee

Industry standard linear power output guarantee



Product Certification



Electrical Characteristics

MODEL	SRM-80M
Maximum Power/Pmax	80W
Optimum Operating Voltage/Vmp	18.15V
Optimum Operating Current/Imp	4.41A
Open Circuit Voltage/Voc	21.78V
Short Circuit Current/Isc	4.85A
Cell Efficiency	>23%
Power Tolerance	0~+3W
Maximum Series Fuse Rating	15A
Maximum System Voltage	1000VDC

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

Mechanical Characteristics

Number of cells	33(11*3)
Cell Dimension	210*52.5mm
Dimension	630*670*30mm
Weight	4.9kg
Frame Material	Clear anodized aluminium frame
Glass	3.2mm tempered glass
Laminating Material	EVA (Light transmittance more than 95%)
Backsheet Material	TPT (High weather resistance)
Junction Box	Ip65 (1500V system voltage available)
Cable	90cm 2x2.5mm ² cable
Connector	MC4 connector
Bus Bar	12BB

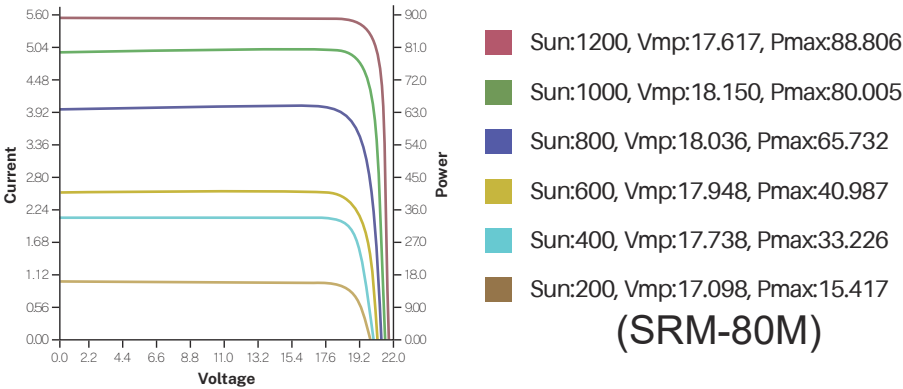
Maximum Data

Operating Temperature	-40℃ to +85℃	℃
Insulation Cut Voltage	1000	DC
Maximum Wind Resistance	60m/s	N/m ² or max KM/h
Surface Maximum Load Capacity	200	Kg/m ²
Maximum Hail Load Capacity	5mm	80km/h

Temperature Characteristics

Nominal Operating Cell Temperature(NOTC)	45±2℃
Temperature Coeicient of Pmax	-0.37%/℃
Temperature Coeicient of Voc	-0.29%/℃
Temperature Coeicient of Isc	+0.048%/℃

I-V Curve



Caution: The Installation, Operation and cleaning should be done by professional skills and qualified engineers. Please read the datasheet and Operation manual carefully before installing and Operating the PV modules.