

Polycrystalline Module 140-145-150Watt

Model (MSP140AS-18/MSP145AS-18/ MSP150AS-18) Specifications

Electrical Data

Maximum Power(W)	140	145	150
Optimum Power Voltage(Vmp)	18.28	18.45	18.61
Optimum Operating Current(Imp)	7.66	7.86	8.06
Open Circuit Voltage(Voc)	21.89	22.00	22.19
Short Circuit Current(Isc)	8.19	8.41	8.62
Cell Efficiency (%)	16.30	16.88	17.46
Module Efficiency (%)	14.11	14.62	15.12
Tolerance Wattage(%)	0~+3%		
NOCT	47°C +/-2°C		

Temperature Coefficients

Temperature Coefficients of Isc(%) °C	+0.04
Temperature Coefficients of Voc(%) °C	-0.38
Temperature Coefficients of Pm(%) °C	-0.47
Temperature Coefficients of Im(%) °C	+0.04
Temperature Coefficients of Vm(%) °C	-0.38

Benefits



Modules sorted by current,
optimizing system power
generation



High Efficiency



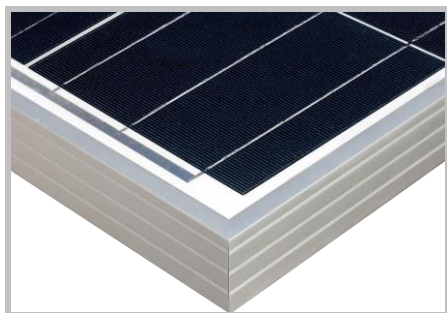
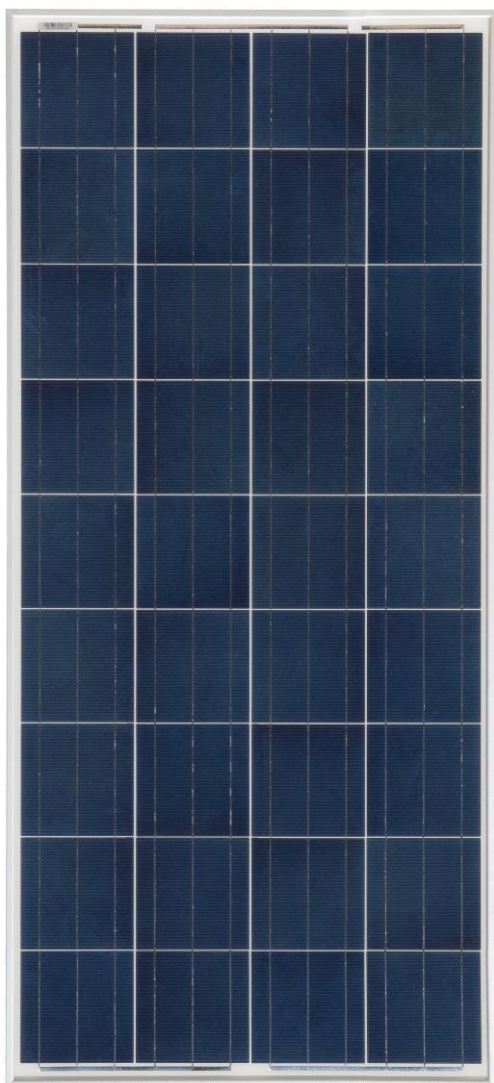
Stable Power



Low Carbon Emission



Excellent Weather
Resistance



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Components & Mechanical Data

Solar Cell	156*156 Poly
Number of Cell(pcs)	4*9
Size of Module(mm)	1485*668*35
Front Glass Thickness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	11.6
Frame(Material Corners,etc.)	35#
Temperature Range	-40 °C to +85 °C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m ² 25 °C

Certifications

Certifications	IEC 61215, IEC 61730
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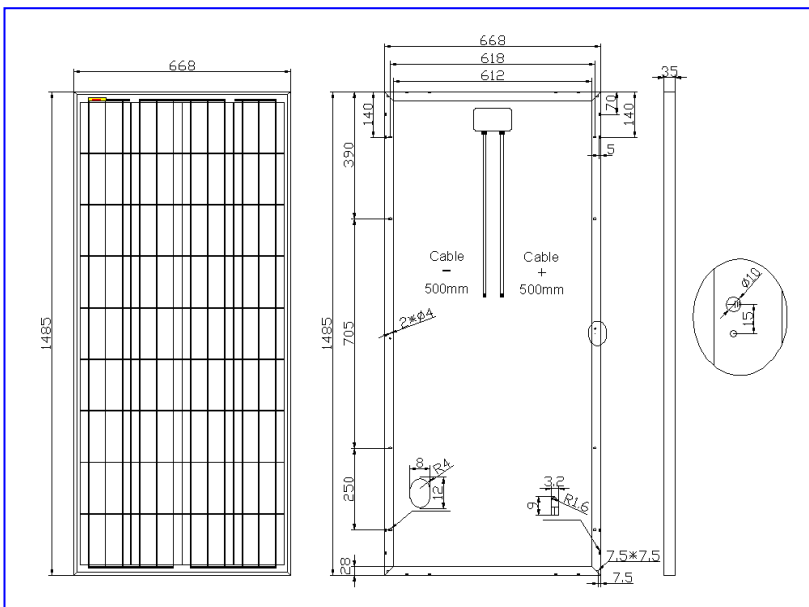
Packing

Packing	Wooden Box
Pieces Per Pallet	30pcs

Applications

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power stations
- Other on-grid applications

Engineering Drawings



Project Picture



Manufacturing facility certified to **ISO 9001 / ISO 14001 / OHSAS 18001** quality management system standards.

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