

Photovoltaic Module Monocrystalline96

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell



Strictly control the micro-crack of solar cells and the other non visible defect of internal modules



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Module can bear snow loads up to 5400Pa

and wind loads up to 2400Pa

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Using advanced low reflection and high light transmission glass and cell sheet surface cutting technology, in the weak light environment can also play a good performance.

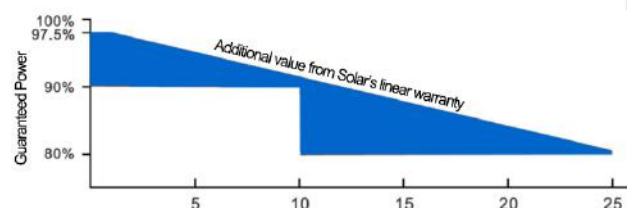
Certificates

- IEC61215, IEC61730, CQC, CE, TUV
- ISO9001:2008
- ISO14001:2004
- BSOHSAS18001:2007



Warranties

- 10 years product warranty
- 25 years power warranty



Electrical Characteristics

Model	NS-490S6-36	NS-495S6-36	NS-500S6-36	NS-505S6-36	NS-510S6-36
Maximum Power at STC(Pmax)	490W	495W	500W	505W	510W
Optimum Operating Voltage (Vmp)	54.08V	54.12V	54.16V	54.18V	54.19V
Optimum Operating Current (Imp)	9.07A	9.15A	9.24A	9.33A	9.42A
Open-Circuit Voltage (Voc)	66.45V	66.46V	66.49V	66.52V	66.56V
NSort-Circuit Current (Isc)	9.58A	9.67A	9.77A	9.86A	9.95A
Solar Cell Efficiency (%)	19.86	20.07	20.27	20.47	20.67
Solar Module Efficiency (%)	17.71	17.89	18.07	18.25	18.44
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1000				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/m ² ,Modules Temperature 25°C,AM=1.5					

Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT) 47°C+/-2°C

Temperature Coefficient of Pmax -0.47%/°C

Temperature Coefficient of VOC -0.346%/°C

Temperature Coefficient of ISC +0.036%/°C

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Front Glass 3.2mm tempered glass

Frame Anodized aluminium alloy

Junction box PV--*****

Connector Plug and socket

Output cables PV 4.0mm²,0.9m

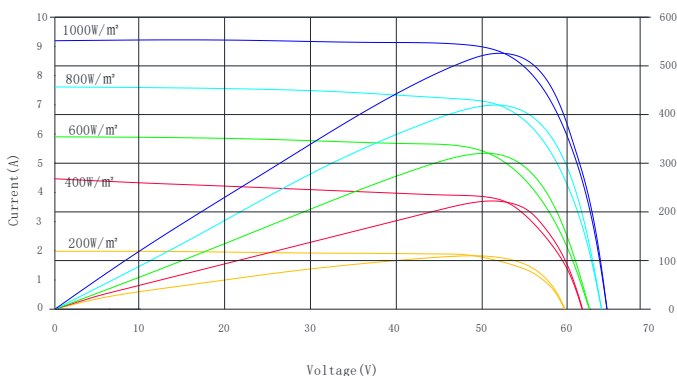
1*20' /

1*40' /

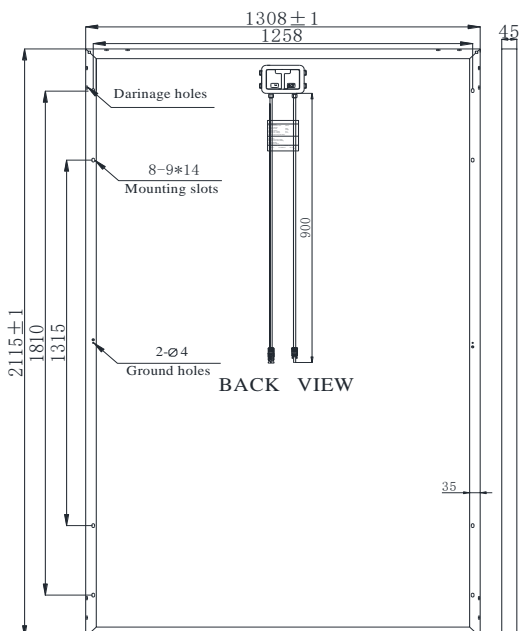
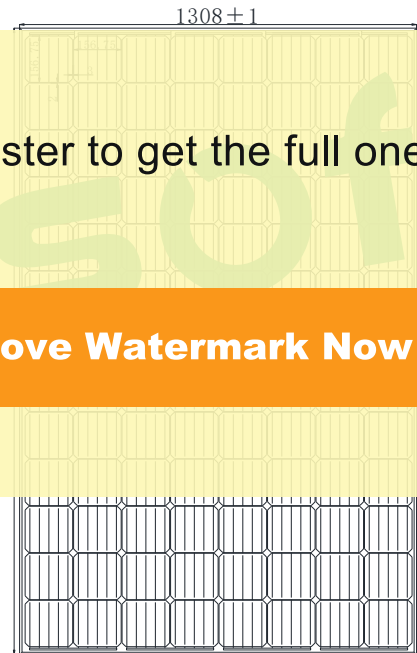
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IV-Curves

Current-Voltage&Power-Voltage Curve



Engineering Drawings



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