Polycrown Solar

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 PERC solar cell

EL

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

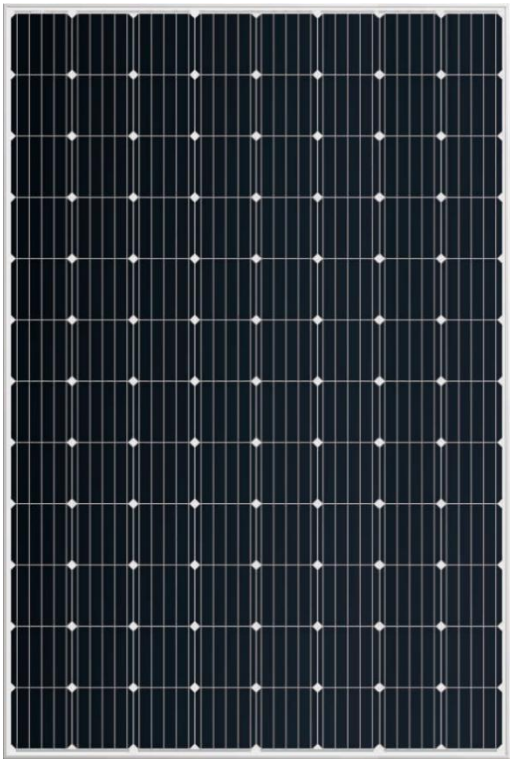
5400 Pa

Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa

IEC 1000V

Manufactured according to and certified international I Quality and Environment Management System

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.

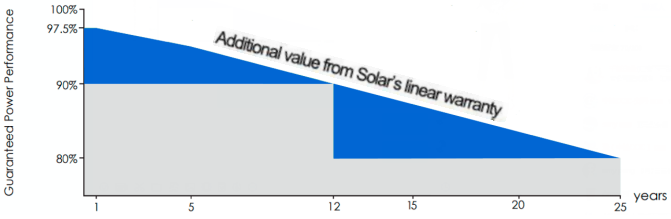


Certificates

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

Warranties

- 12 years product warranty
- 25 years power warranty



www.polycrown-solar.com

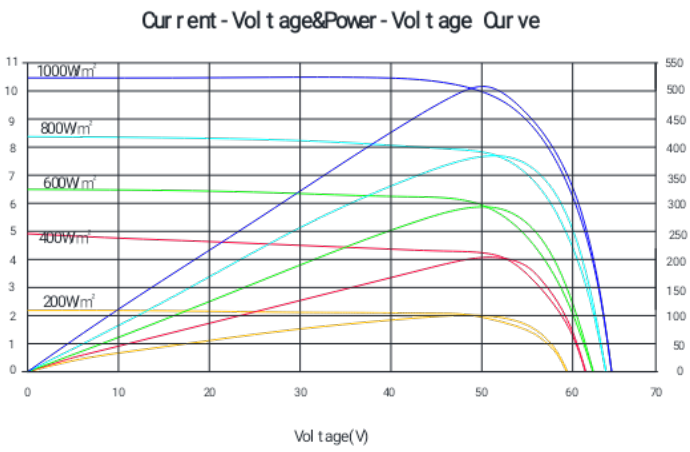
Model	NS-500S6-32

Maximum Power at STC(Pmax)	500W
Optimum Operating Voltage (Vmp)	48.63V
Optimum Operating Current (Imp)	10.29A
Open-Circuit Voltage (Voc)	59.0V
NSort-Circuit Current (Isc)	10.87A
Solar Cell Efficiency (%)	22.23
Solar Module Efficiency (%)	19.51
Operating Temperature	-40to85℃
Maximum System Voltage	DC1000
Maximum Series Fuse Rating	15A
Power Tolerance	±3%
STC:Irradiance 1000W/㎡,Modules Temperature 25℃,AM=1.5	

Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	45℃+/-2℃
Temperature Coefficient of Pmax	-0.41%/℃
Temperature Coefficient of VOC	-0.33%/℃
Temperature Coefficient of ISC	+0.067%/℃
Solar cell	Mono156.75*156.75mm
No.of cells	96 (8×12)
Dimensions	1956mm*1310mm*45mm
Weight	32kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP67
Connector	Plug and socket
Output cables	PV 4.0mm²,0.9m
1*20'	/
1*40'	/
1*40'HQ	/

IV-Curves



Engineering Drawings