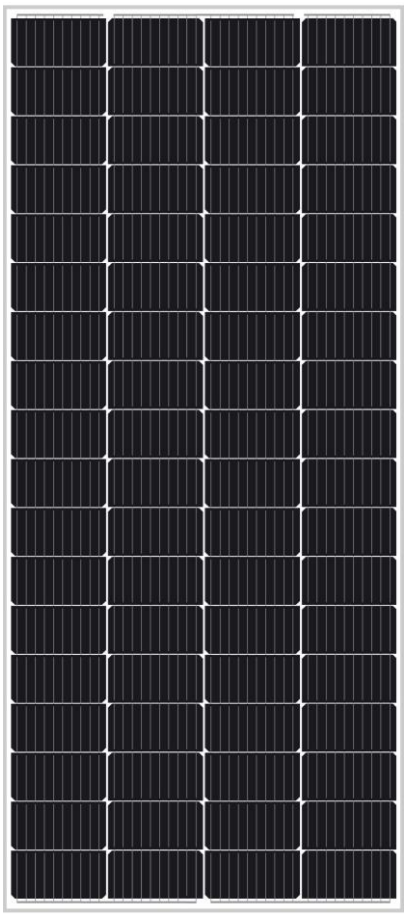
Polycrown Solar

Photovoltaic Module
Monocrystalline72

KEY FEATURES



High module efficiency through superior manufacturing technology

No power loss thanks to improved temperature co-efficient caused by 10 busbar 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 1500V

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

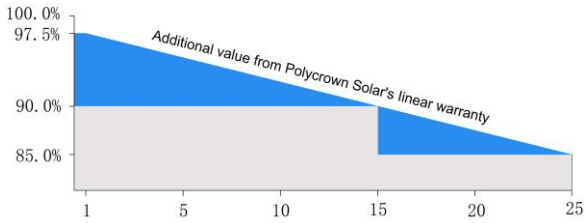
Using advanced low reflection and high light transmission glass and cell sheet surface cutting technology, in the weak light environment can also play a good performance.

Certificates

- IEC61215,IEC61730,CQC、CE、TUV
- ISO9001:2015
- ISO14001:2015
- ISO45001:2018

Warranties

- 15 years product warranty
- 25 years power warranty



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Electrical Characteristics

Polycrown Solar

Model	NS-250MH-72	NS-255MH-72	NS-260MH-72
Maximum Power at STC(Pmax)	250W	255W	260W
Optimum Operating Voltage (Vmp)	41.52V	41.54V	41.56V
Optimum Operating Current (Imp)	6.03A	6.14A	6.26A
Open-Circuit Voltage (Voc)	49.24V	49.26V	49.28V
Short-Circuit Current (Isc)	6.51A	6.64A	6.76A
Solar Cell Efficiency (%)	21.24	21.67	22.09
Solar Module Efficiency (%)	18.71	19.08	19.45
Operating Temperature		-40to85℃	
Maximum System Voltage		DC1500V	
Maximum Series Fuse Rating		25A	
Power Tolerance		0~+3%	
STC:Irradiance 1000W/㎡,Modules Temperature 25℃,AM=1.5			

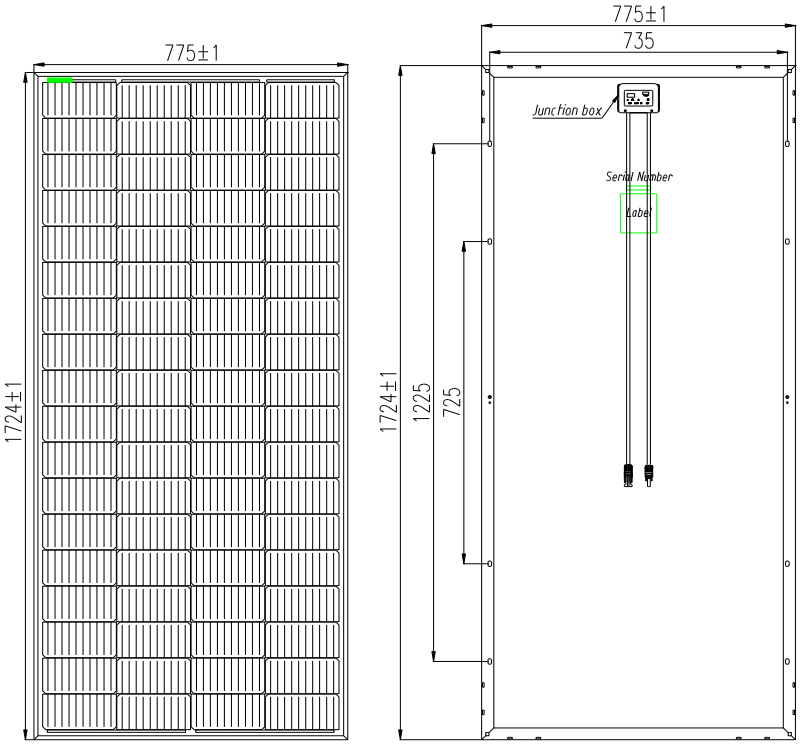
Temperature Coefficient

NOCT	45℃±2℃
Temperature Coefficient of Pmax	-0.34%/℃
Temperature Coefficient of VOC	-0.26%/℃
Temperature Coefficient of ISC	+0.05%/℃

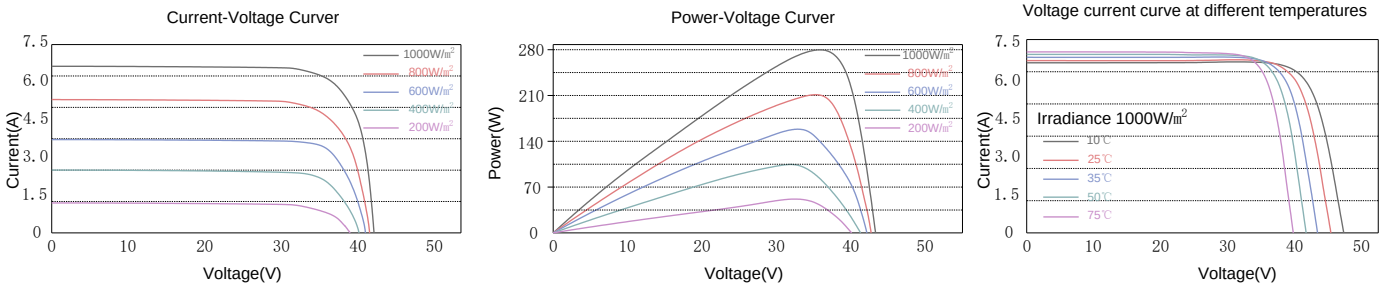
Mechanical Characteristics

No.of cells	72(4×18)
Dimensions	1724mm*775mm*30mm
Weight	14.0kg ±3%
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP68, three diodes
Connector	Plug and socket
Output cables	PV 4.0mm²
1*40'HQ	36 pcs/Pallet,1080pcs/ 40'HQ;

Engineering Drawings



IV-Curves



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