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Solar Panel Guide Specification Data Sheet

Ningbo Huashun Solar Energy Technology Co., Ltd.

SH-300S6-20

SH-290S6-20

Also available on the web at

EnergyPal.com/ningbo-huashun-solar-energy-technology-co-ltd-solar-panels/sh-290s6-20

Photovoltaic Module Monocrystalline60

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



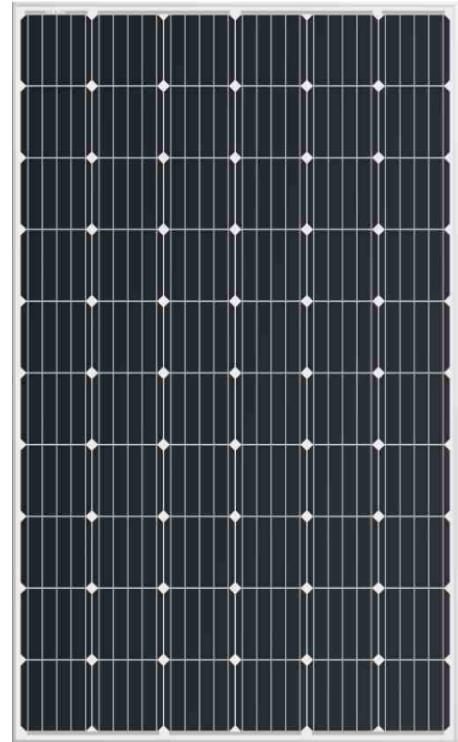
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



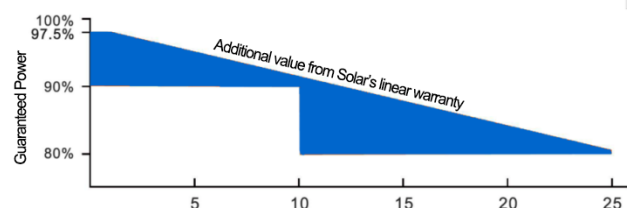
Certificates

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



Warranties

- 10 years product warranty
- 25 years power warranty



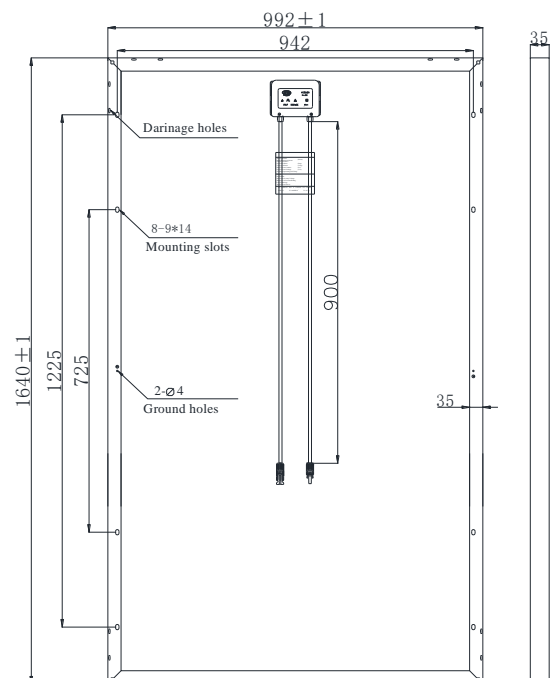
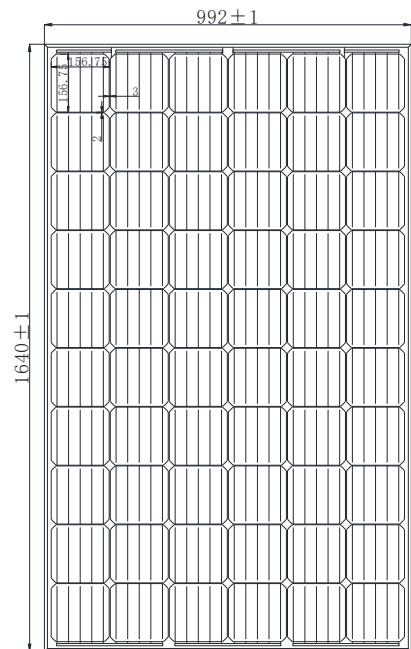
Electrical Characteristics

Model	SH-280S6-20	SH-285S6-20	SH-290S6-20	SH-295S6-20	SH-300S6-20
Maximum Power at STC(Pmax)	280W	285W	290W	295W	300W
Optimum Operating Voltage (Vmp)	31.58V	31.66V	31.73V	31.81V	31.89V
Optimum Operating Current (Imp)	8.867A	9.003A	9.138A	9.273A	9.407A
Open-Circuit Voltage (Voc)	38.90V	38.98V	39.05V	39.13V	39.21V
Short-Circuit Current (Isc)	10.303A	10.450A	10.596A	10.742A	10.888A
Solar Cell Efficiency (%)	19.53	19.88	20.23	20.58	20.93
Solar Module Efficiency (%)	17.21	17.52	17.83	18.13	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)	45°C+/-2°C
Temperature Coefficient of Pmax	-0.41%/°C
Temperature Coefficient of VOC	-0.34%/°C
Temperature Coefficient of ISC	+0.06%/°C
Solar cell	Mono156.75*156.75mm
No.of cells	60 (6x10)
Dimensions	1640mm*992mm*35mm
Weight	18kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV--*****
Connector	Plug and socket
Output cables	PV 4.0mm ² ,0.9m
1*20'	360 pcs
1*40'	840 pcs
1*40'HQ	924pcs

Engineering Drawings



IV-Curves

