

Polycrystalline Solar Module

HDS285P/290P/295P-72



www.hdszj.com

HD Solar introduces all new line of high performance modules in wide application.

Warranty

Industry leading power output warranty (12 years/90%, 25 years/80%)
10-year warranty on product materials and processing technology.

Applications

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power plants
- Other on-grid applications
- off-grid system

Electrical Characteristics

All specified Parameters at STC 25°C Ambient, 1000W/m² irradiance and AM 1.5

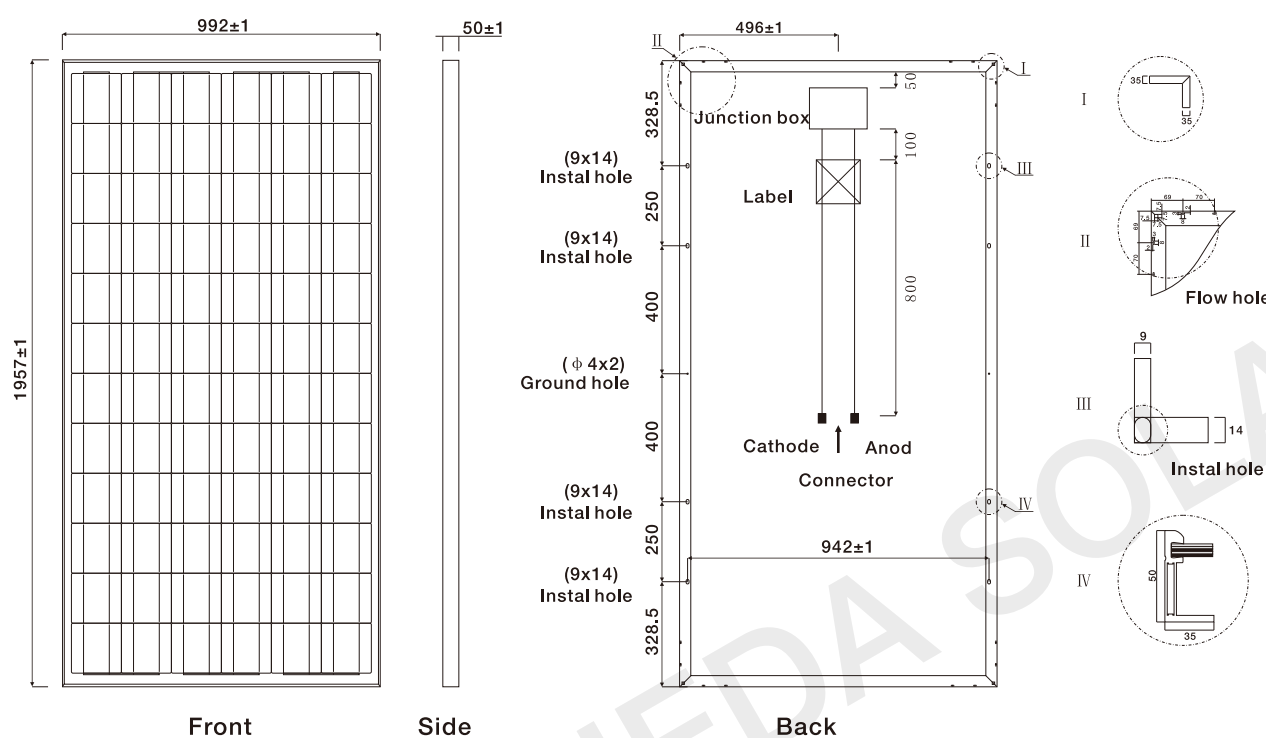
Type		HDS285P-72	HDS290P-72	HDS295P-72
Max-Power Pm	(W)	285	290	295
Power Tolerance	(W)	+0-5	+0-5	+0-5
Max-Power Voltage	Vm(V)	36.7	36.9	37.2
Max-Power Current	Im(A)	7.766	7.861	7.931
Short-Circuit Current	Isc(A)	8.32	8.38	8.42
Open-Circuit Voltage	Voc(V)	44.4	44.6	44.7
Max-System Voltage	(VDC)		1000V(IEC)	
Cell Efficiency	(%)	16.4	16.7	17
Module Efficiency	(%)	14.6	14.9	15.2
Max.Series Fuse	(A)		15	
Pm Temperature Coefficients	(W/°C)		-1.171	
Isc Temperature Coefficients	(A/°C)		0.0047	
Voc Temperature Coefficients	(V/°C)		-0.1437	
NOCT Nominal Operating Cell Temperature			47±2°C	

Maximum load rating: 5400pa(112.78lbf/ft²)

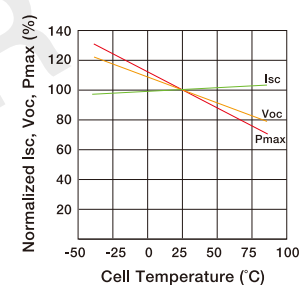
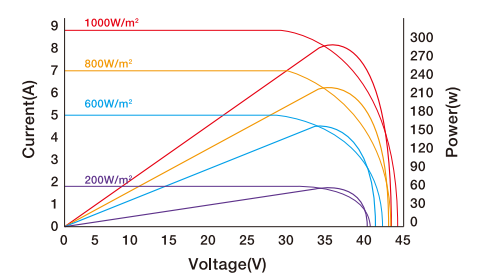


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Mechanical Specifications



I-V Curve



I-V Curves at different Irradiances (AM1.5 25°C)

Specifications included in this datasheet are subject to change without prior notice

Packaging Configuration

Packing Configuration	20 pcs/ctn + 24 pcs/ctn
Quantity/Pallet	44 pcs/pallet
Loading Capacity	484 pcs/40HQ

Absolute Ratings

Dielectric Insulation Voltage	3000V
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85

Mechanical Characteristics

Cable type, Diameter and Length	4mm ² , TUV certified, 1250mm
Type of Connector	Compatible Type IV
Number, type and arrangement of cells	72pcs, Poly-Crystalline Silicon(6x12)
Cell Size (mm)	156x156
Dimension (mm)	1957x992x50
Weight (Kg)	26
NO.of Draining Holes in Frame	10
Glass, Type and Thickness	High Transmission, Low Iron, Tempered Glass 4.0mm