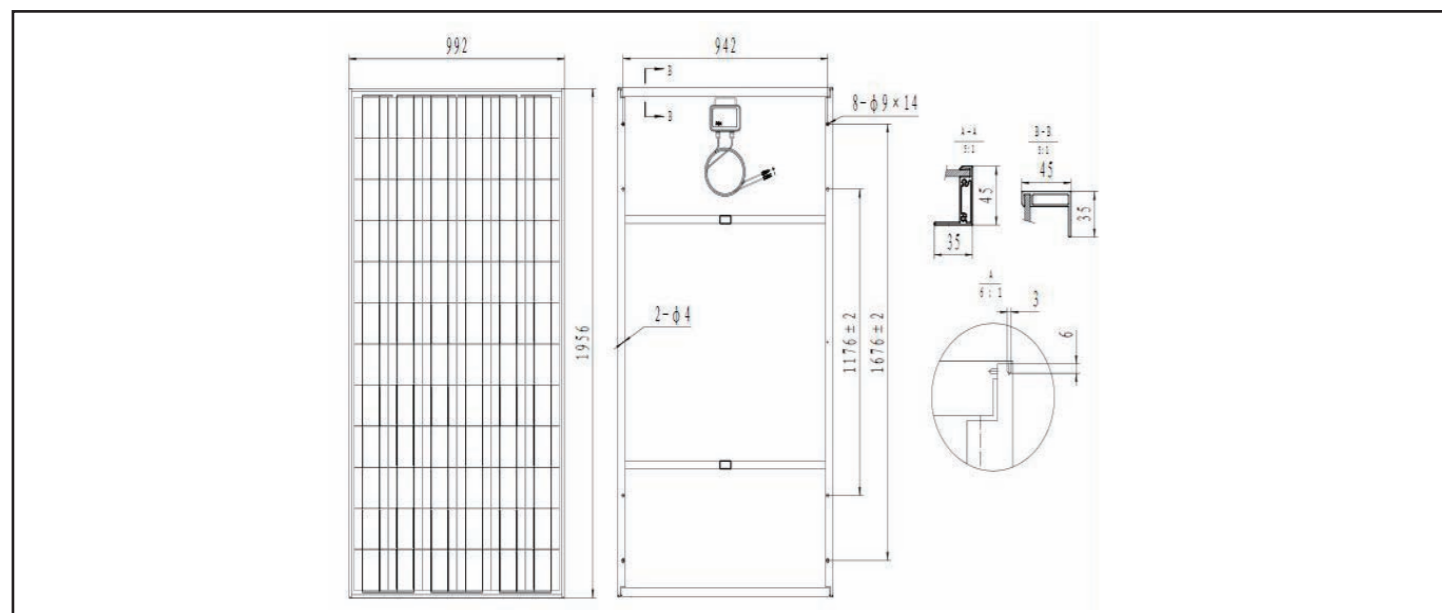


## Polycrystalline Solar Module – DX290PAe



### Electrical Characteristics

All specified Parameters are at STC 25°C Ambient, 1000W/ m<sup>2</sup> irradiance and AM 1.5

Type	DX270PAe	DX275PAe	DX280PAe	DX285PAe	DX290PAe
Max-Power P <sub>m</sub> (W)	270	275	280	285	290
Module Power Range (W)	275>P <sub>m</sub> ≥270	280>P <sub>m</sub> ≥275	285>P <sub>m</sub> ≥280	290>P <sub>m</sub> ≥285	P <sub>m</sub> ≥290
Power Tolerance (W)	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5
Max-Power Voltage V <sub>m</sub> (V)	36.1	36.37	36.6	36.9	37.2
Max-Power Current I <sub>m</sub> (A)	7.48	7.56	7.66	7.73	7.8
Short-Circuit Current I <sub>sc</sub> (A)	8.2	8.2	8.26	8.32	8.41
Open-Circuit Voltage V <sub>oc</sub> (V)	43.6	44.0	44.2	44.6	45.1
Max-System Voltage (VDC)	600V(UL)/1000V(IEC)				
Cell Efficiency (%)	15.4	15.7	16.0	16.3	16.6
Module Efficiency (%)	13.9	14.2	14.4	14.7	14.9
Max.Series Fuse (A)	15				
P <sub>m</sub> Temperature Coefficients (%/°C)	-0.4336				
I <sub>sc</sub> Temperature Coefficients (%/°C)	0.0825				
V <sub>oc</sub> Temperature Coefficients (%/°C)	-0.4049				
NOCT Nominal Operating Cell Temperature	45±2°C				

Maximum load rating:5400Pa(112.78lbf/ft<sup>2</sup>)

## Polycrystalline Solar Module – DX290PAe

### Mechanical Characteristics

Cable type,Diameter and Length	4mm <sup>2</sup> ,TUV certified, 1000mm
Type of Connector	Compatible Type IV
Number,type and arrangement of cells	72pcs,Poly-Crystalline Silicon(6×12)
Cell Size (mm)	156×156
Dimension (mm)	1956×992×45
Weight (Kg)	26
No.of Draining Holes in Frame	10
Glass,Type and Thickness	High Transmission,Low Iron,Tempered Glass 4.0mm

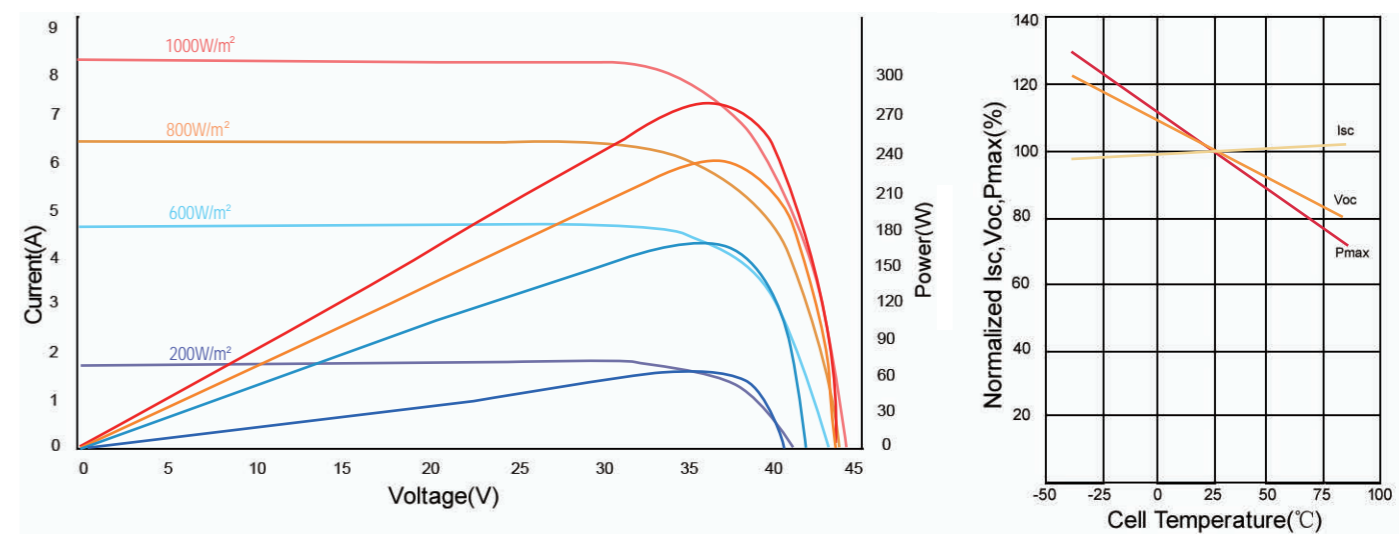
### Packaging Configuration

Packing Configuration	22 pcs/box
Quantity/Pallet	44 pcs/pallet
Loading Capacity	528 pcs/40ft(H)

### Absolute Ratings

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

### I-V Curves



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

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