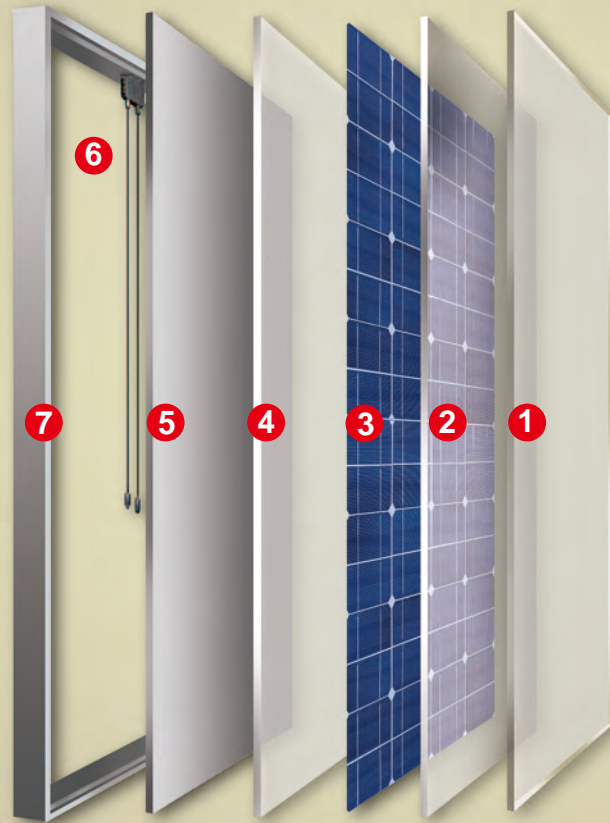




**Xu Yang Solar
MODULE**
Monocrystalline

XY-290—300D
156X156 MODULE



- 1 tempered glass
- 2 EVA
- 3 Solar cells
- 4 EVA
- 5 Backsheet
- 6 Junction box
- 7 Frame



Outstanding mechanical load performance enables each panel to withstand wind up to 200 km/h or snow up to 550 kg/m²



In-line Electroluminescence (EL) testing of each panel ensures no micro - cracks or mismatch on cells.



Ammonia Endurance Test(IEC62716) and Salt Mist Test(IEC61701) verified the excellent performance of each panel in harsh or unusual environments.



Aging test under 85 °C and 85 % relative humidity for at least 1500 hours guarantees a low power degradation for 25 years.

PACKAGING CONFIGURATION

Model	1950x990x50
Module Q'ty per pallet	20pcs
Module Q'ty per container	374pcs/40ft

Warranty

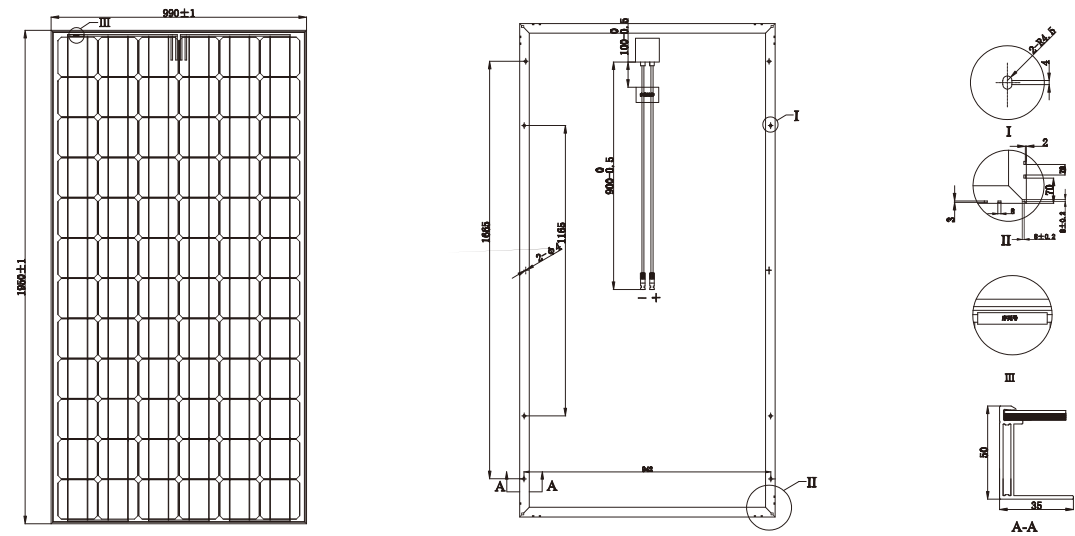
- All panels with positive tolerance up to 0-5W
- 12 years guaranteed in 90 % minimum power output
- 10 years guaranteed in product material
- 25 years guaranteed in 80 % minimum power output

Insurance

Product material and performance are insured with Product Liability and Financial Injury Liability Insurance

MECHANICAL SPECIFICATION

Unit: mm



ELECTRICAL CHARACTERISTICS

mechanical Characteristics	Dimension(mm)	Max-System Voltage	Max-Power	Max-power Voltage	Max-Power Current	Open-circuit Voltage	Short-Circuit Current	Max-Series Fuse	Cell Efficiency	Module Efficiency
		(VDC)	Pm(W)	VPm(V)	IPm(A)	VOC(V)	ISC(A)	(A)	(%)	y(%)
300w	1950x990x50	DC1000V	300	37.1	8.33	44.53	8.9	15	18.3-18.7	15.7-16.0
295w	1950x990x50		295	36.9	8.23	44.29	8.79	15	18.2-18.3	15.4-15.7
290w	1650x990x50		290	36.8	8.13	44.17	8.67	15	17.6-18.2	15.1-15.4

MECHANICAL CHARACTERISTICS

Cell(mm)	156x156mm
No of cells	6x12/72
Weight(kg)	27
Glass,Type and Thickness	High Transmis,Low Iron,Tempered Glass 4.0mm
Frame	anodised aluminium
Junction box	IP65
Cable Type,Diameter and Length	4.0mm ² ,TUVcertified,900mm
Dimension	1950x990x50
Certificates	TUV(IEC 61215 & IEC 61730),CE

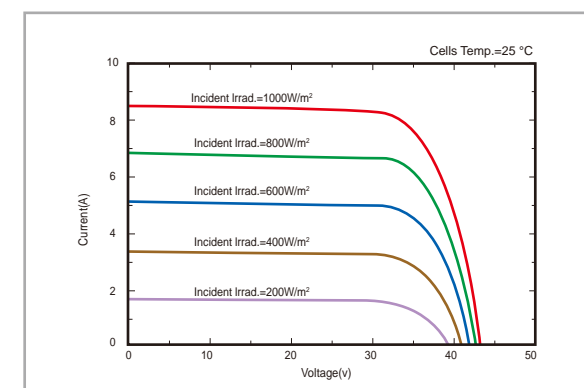
TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temperature NOCT	47 ±2°C
Pmpp	-0.471 %/°C
Isc	-0.347 %/°C

LIMITS

Operating Temperature	- 45°C TO + 85°C
Mechanical Load	<5400Pa
Max-Series Fuse	15A
VDC	DC1000V
Tolerance	±3%

I-V CURVES



Standard Test Condition(STC) of Irradiance of 1000W/m², AM1.5 Solar Spectrum & 25°C cell temperature.