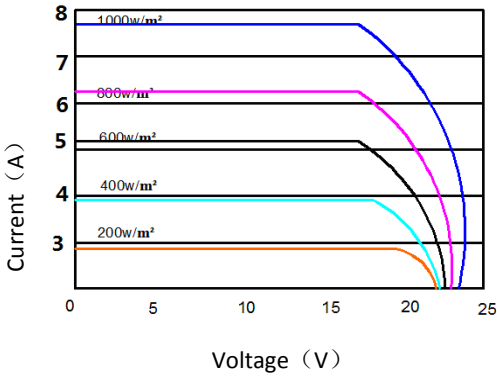
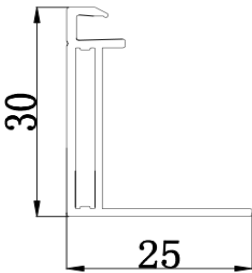
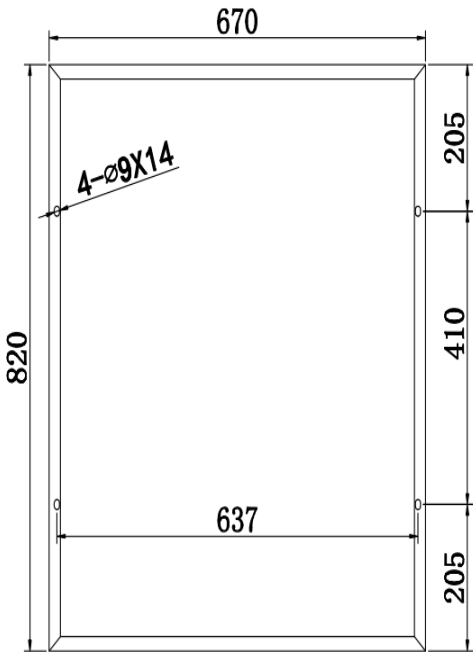


the Specification of Polycrystal Solar Module1 80-90W 18V

IV-CURVE



photovoltaic module specification holes



ELECTRICAL DATA (STC)	NPP-80-36	NPP-85-36	NPP-90-36
Peak Power Watts-PMAX (Wp)	80	85	90
Power Output Tolerance-PMAX (W)	0/+3	0/+3	0/+3
Operating Voltage-VMP(V)	17.8	18.2	18.4
Operating Current-IMP(A)	4.49	4.67	4.89
Open Circuit Voltage-VOC (V)	21.8	22.2	22.4
Short Circuit Current-ISC (A)	4.95	5.13	5.37
Module Efficiency ηm (%)	18.1	19.3	20.4

STC: Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C, *Measuring tolerance: ±3%.

MECHANICAL DATA	
Solar Cells	Polycrystal 156×78mm
Cell Orientation	36 cells (4 × 9)
Module Dimensions	820 × 670 × 30mm
Weight	6.6kg
Glass	.2mm (0.13 inches), High Transmission Glass
Frame	Anodized Aluminium Alloy
J-Box	IP 65 rated
Cables	Gneral Cable 1.5mm² ,300 mm
Connector	Not available

TEMPERATURE RATINGS	
NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of PMAX	- 0.44%/°C
Temperature Coefficient of VOC	- 0.33%/°C
Temperature Coefficient of ISC	0.046%/°C

WARRANTY	
10 year Product Workmanship Warranty	
25 year Linear Power Warranty	

MAXIMUM RATINGS	
Operational Temperature	-40~+85°C
Maximum System Voltage	1000VDC(IEC)
	600V DC(UL)
Max Series Fuse Rating	10A

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5400帕

•Excellent mechanical load resistance:Certified to withstand high wind loads(2400Pa) and snow loads(5400Pa)
- 

•Guarantee output power, ((0~+3%)
- 

•Outstanding performance in low-light irradiance environment
- 

100%

•100% EL double-inspection ensures modules are defects free
- 

•comprehensive certificates: IEC61215, IEC61730, UL1703,TUV safety class II, CQC , CE,ISO9001-ISO1400