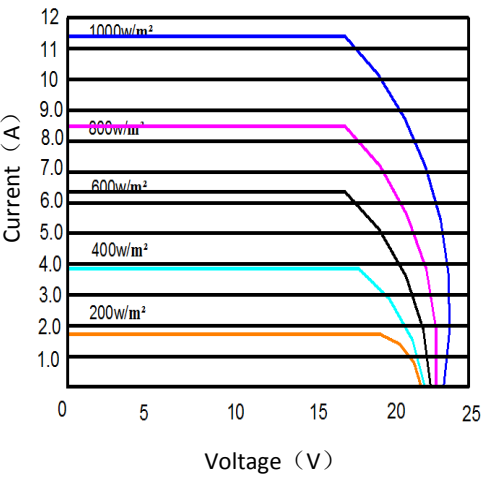


the Specification of Polycrystal Solar Module 170-190W 18V

IV-CURVE



ELECTRICAL DATA (STC)

	NPP-170 -72	NPP-180 -72	NPP-190 -72
Peak Power Watts-PMAX (Wp)	170	180	190
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)	9.55	9.89	10.3
Open Circuit Voltage-VOC (V)	21.8	22.2	22.4
Short Circuit Current-ISC (A)	10.5	10.9	11.38
Module Efficiency η_m (%)	16.5	17.4	18.4

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

MECHANICAL DATA

Solar Cells	Polycrystal 156×92mm
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1180 × 992 × 35mm
Weight	12.7kg
Glass	3.2 mm (0.13 inches), High Transmission Glass
Frame	Anodized Aluminium Alloy
J-Box	IP 65 rated
Cables	Photovoltaic Technology Cable 4.0mm² ,900
Connector	Original MC4 Connector

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	45°C ($\pm 2^\circ\text{C}$)
Temperature Coefficient of PMAX	- 0.44%/°C
Temperature Coefficient of VOC	- 0.33%/°C
Temperature Coefficient of ISC	0.046%/°C

WARRANTY

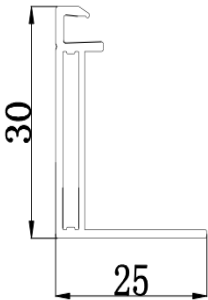
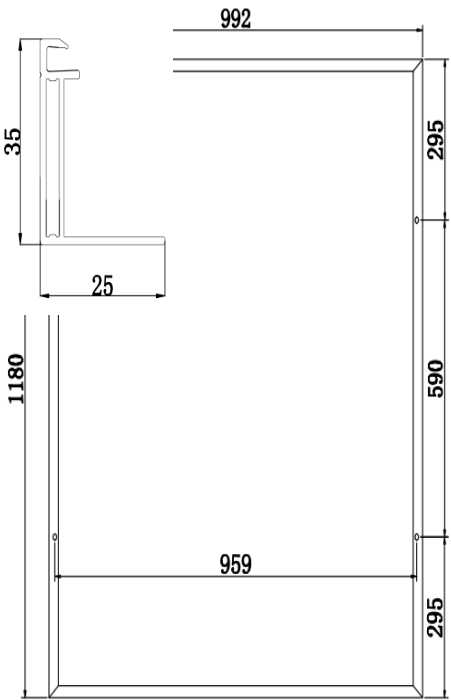
10 year Product Workmanship Warranty

25 year Linear Power Warranty

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000VDC(IEC) 600V DC(UL)
Max Series Fuse Rating	15A

photovoltaic module specification holes



•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% EL double-inspection ensures modules are defects free



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