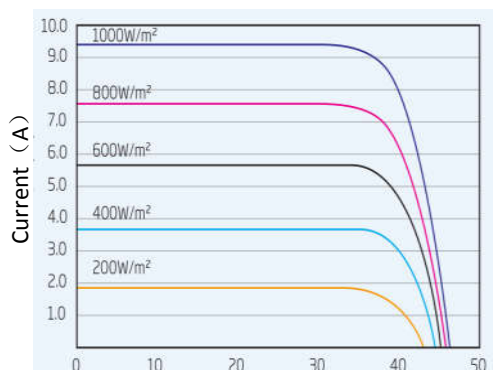


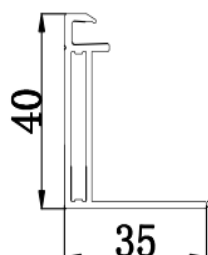
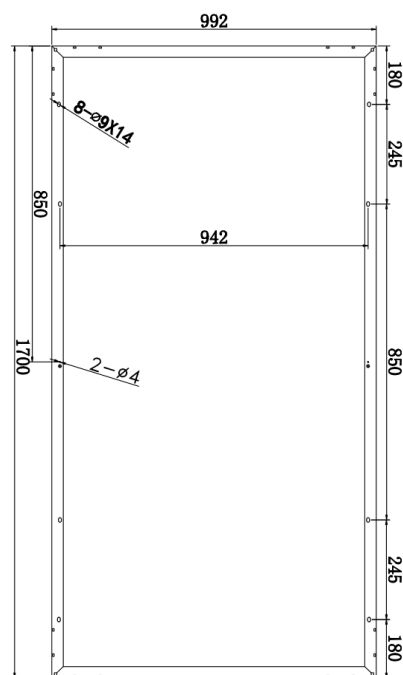
the Specification of Polycrystal Solar Module 270-290W 36V

IV-CURVE



Voltage (V)

photovoltaic module specification holes



ELECTRICAL DATA (STC)

ELECTRICAL DATA (STC)	NPP-270 -72	NPP-280 -72	NPP-290 -72
Peak Power Watts-PMAX (Wp)	270	280	290
Power Output Tolerance-PMAX (W)	0/+3	0/+3	0/+3
Operating Voltage-VMP(V)	35.6	36.2	36.4
Operating Current-IMP(A)	8.42	8.56	8.79
Open Circuit Voltage-VOC (V)	44.8	45	45.2
Short Circuit Current-ISC (A)	8.98	9.23	9.47
Module Efficiency η_m (%)	17.7	18.4	19

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

MECHANICAL DATA

Solar Cells	Polycrystal 156×135mm
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1950× 992 × 40mm
Weight	19.3kg
Glass	3.2mm (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 (±2°C)
Temperature Coefficient of P _{MAX}	- 0.44%/°C
Temperature Coefficient of V _{OC}	- 0.33%/°C
Temperature Coefficient of I _{SC}	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



- 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, COC , CE,ISO9001-ISO1400