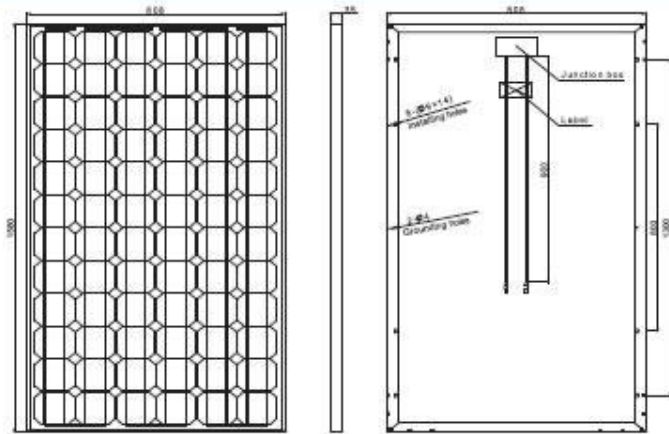
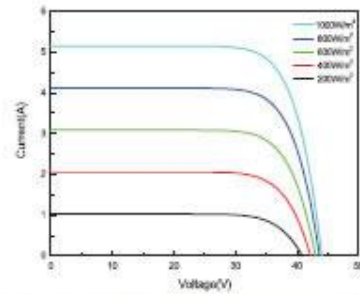


165 – 190 Watt Monocrystalline Silicon Module

Dimensions for PV Module



I-V Curves of PV Module



Certification



Electrical Data

Module Type	Rated Maximum Power (Pmax)	Output Tolerance	Current at Pmax (Imp)	Voltage at Pmax (Vmp)	Short-Circuit Current (Isc)	Open-Circuit Voltage (Voc)
190MFAa/b	190	±3%	5.21	36.5	5.30	45.5
185MFAa/b	185	±3%	5.11	36.2	5.25	45.3
180MFAa/b	180	±3%	5.00	36.0	5.20	45.0
175MFAa/b	175	±3%	4.86	36.0	5.17	44.8
170MFAa/b	170	±3%	4.74	35.9	5.12	44.5
165MFAa/b	165	±3%	4.61	35.8	5.10	44.0
Power Temperature Coefficient						-0.40%/K
Open-Circuit Voltage Temperature Coefficient						-0.31%/K
Short-Circuit Current Temperature Coefficient						0.06%/K

Nominal Operating Cell Temperature (NOCT): 45±2°C

All Technical Data at STC: AM1.5 E=1000W/m² Tc=25°C

General Data

Cell Type	125×125mm Mono-crystalline
Cell Configuration	72 (6×12) PCS in series
Dimensions	1580×808×35mm
Weight	15kg
Front Glass	3.2mm, high transmission, low iron, tempered glass
Junction Box	IP65 Rated
Cables	4.0mm², Length: 900mm
Frame	Anodized aluminium-alloy

Packing Configuration

Packing Configuration	29pcs / Carton
Quantity/Pallet	1 Carton / Pallet
Loading Capacity	812pcs / 40ft

Maximum Ratings

Operating Temperature	-40~+85°C
Storage Temperature	-40~+85°C
Maximum System Voltage	TUV 1000V DC UL 600V DC
Number of Bypass Diodes	3pcs
Maximum Series Fuse	10A

Warranty

- 5 years manufacturing warranty
- 12 years warranty, 90% power output
- 25 years warranty, 80% power output

