XT60M Monocrystalline Silicon Module

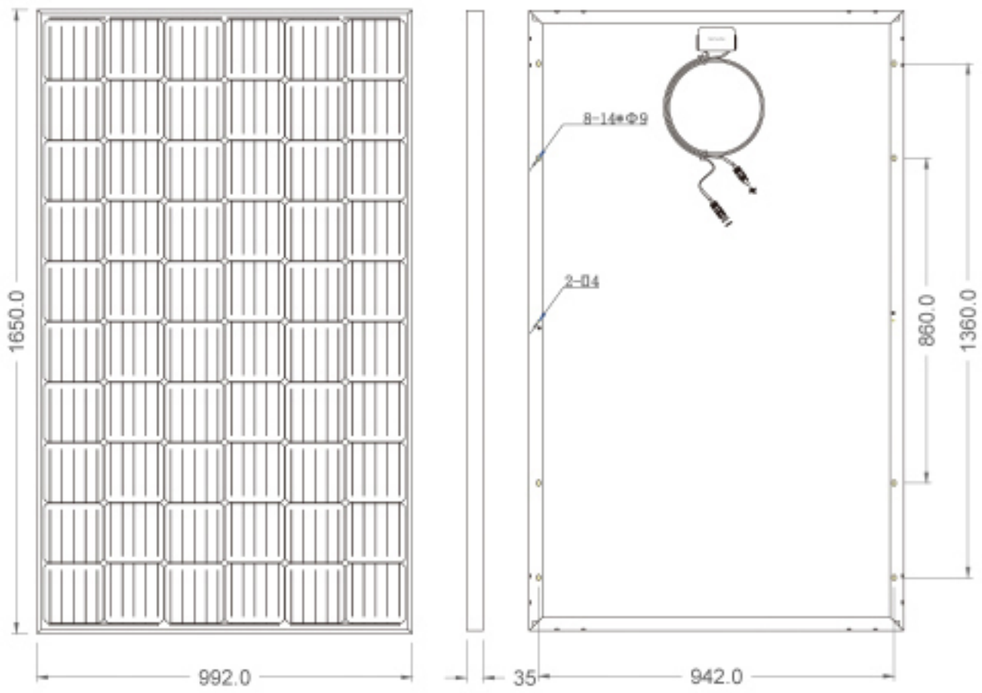
Electrical Data @ STC

All Technical Date at STC:AM1.5 E=1000W/m² TC=25℃

Module Type	Pmax	Imp	Vmp	Isc	Voc
XJ60M–270	270W	8.73A	31.0V	9.19A	37.9V
XJ60M–275	275W	8.80A	31.3V	9.27A	38.2V
XJ60M–280	280W	8.87A	31.6V	9.38A	38.3V
XJ60M–285	285W	8.96A	31.9V	9.46A	38.3V
XJ60M–290	290W	9.06A	32.1V	9.59A	38.4V
XJ60M–295	295W	9.13A	32.4V	9.72A	38.4V
XJ60M–300	300W	9.23A	32.6V	9.82A	38.4V
XJ60M–305	305W	9.32A	32.8V	9.94A	38.5V

Nominal Module OperatingTemperature (NMOT): 43±2℃	Power Temperature Coefficient:–0.40%/K Open–Circuit Voltage Temperature Coefficient:–0.32%/K Short–Circuit Current Temperature Coefficient:0.05%/K

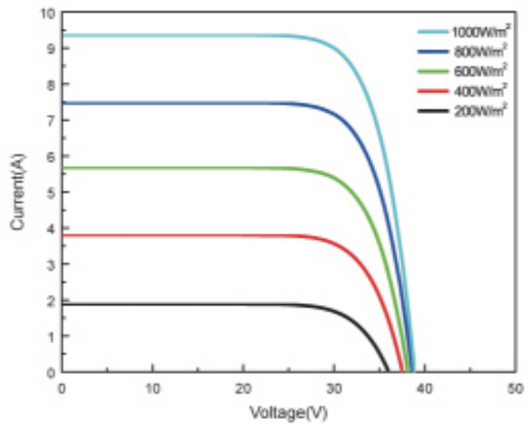
Dimensions for PV Module



Maximum Ratings

Operating Temperature	–40~+85℃
Maximum Storage Temperature	–20~+40℃
Class of Protection	Class Ⅱ
Maximum System Voltage	TUV 1500V/1000V DC
Maximum Overcurrent Protection Rating	15A

I–V Curves of PV Module



Mechanical parameters

Cell Type	156.75×156.75mm mono–crystalline
Cell Configuration	60（6×10）PCS in series
Dimension	1640x992x35mm
Weight	18.5kg
Front Glass	3.2mm,high transmission, low iron,tempered glass
Junction Box	IP67 Rated
Cabels	4.0mm²,length:900mm
Frame	Anodized aluminium–alloy

12 years limited product warranty,
First year guarantee no less than 97% power output
25 years guarantee no less than 80% power output

Characteristics

- System Voltage:The maximum voltage is promoted to 1500V and the module stringsare extended by 50% which reduces the overall system BOS.
- A Wide Range of Products:Mono–crystalline module (270W–360W) Poly–crystalline module(260W–340W), depending on configurations.Guaranteed positive tolerance from 0–3% ensures power output reliability.
- High Reliability:Guaranteed mechanical resistance to severe weather conditions for reliable power output.Compliant with IEC 61215 and IEC 61730.
- Traceability: Flash report and embedded bar code ID for each module for complete traceability.
- Low–light Performance:Advanced glass and surface texturing allow for excellent performance inlow–light environments.
- Severe Weather Resilience:Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).
- Durability against extreme environmental conditions:High salt mist and ammonia resistancecertified by TUV NORD.
- A Wide Range of Applications:Independent systems (households, power supplies for remote areas, remotesystems) and grid–connected photovoltaic power stations (residential,commercial, industrial power supply systems).

Certification