



Mono-crystalline Solar Module

ED190-6M



Warranty

10-year repair and workmanship warranty

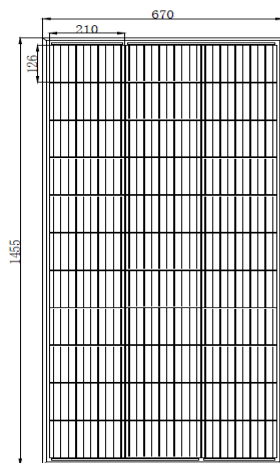
12-year warranty at 90% power output

25-year warranty at 80% power output

Typical Electrical Characteristics

| Models | ED190-6M |
|--------------------------------|----------|
| Max. Power (Pmax) | 190Wp |
| Optimum Operating Voltage (Vm) | 18.94V |
| Optimum Operating Current (Im) | 10.03A |
| Open-circuit Voltage (Voc) | 22.18V |
| Short-circuit Current (Isc) | 10.55A |
| Module efficiency | 19.5% |

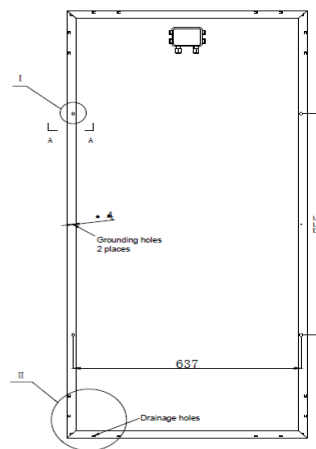
Note: the specifications are obtained under the Standard Test Condition (STC): 1,000W/m², Am 1.5, Cell Temperature 25 °C



Front view



Side view

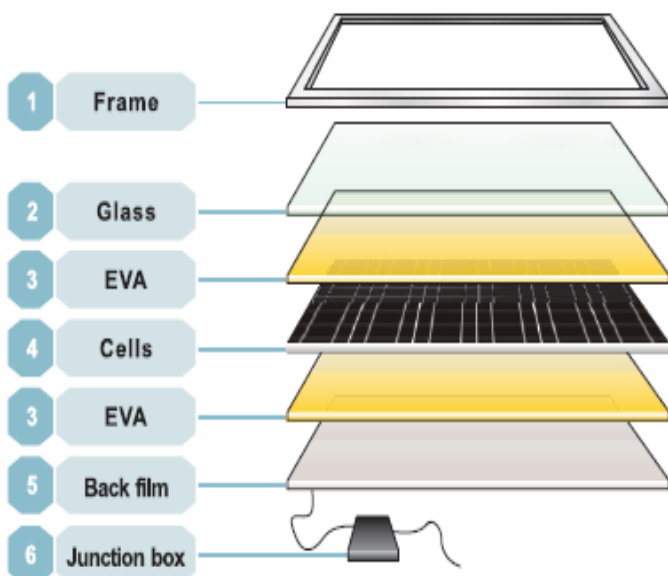


Back view



| | |
|----------------------------------|--------------------------|
| Solar cell | Mono |
| Power Tolerance (Pmax) | 0 ~ +3% |
| Numbers of cells | 33pcs of cells in series |
| Module Dimension | 1455*670*30mm |
| Weight | 10Kg |
| Max. System Voltage | 1000VDC |
| Max. Series Fuse Rating | — |
| Temperature cycling range | -40°C ~ +85°C |
| NOTC | 47°C |
| Temperature coefficients of Isc | (+0.05%/°C) |
| Temperature coefficients of Voc | (-0.32%/°C) |
| Temperature coefficients of Pmax | (-0.4%/°C) |
| Load Capacity | 35 Pcs /Pallet |

Certification



The Structure of Solar Modules

Cells

The hi-efficiency of mono and poly solar cells ensure adequate power for panels.

Glass

Low-iron tempered glass, 3.2mm thickness with higher reflectivity.

EVA

Higher transmission rate, antioxidant capacity and temperature resistance, no expansion or contraction.

Back film

Increase efficiency of modules slightly and reduce module's temperature. Aging resistance, corrosion resistance and airtight.

Aluminum Frame

Using the framework of the anodized aluminum frame with high intensity, mechanical shock resistance capacity.