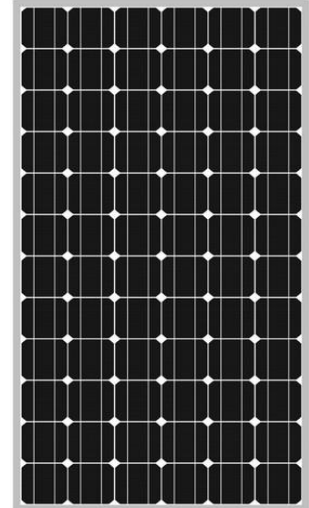


TW190 (35) D-2 TECHNICAL SPECIFICATION

Electrical Characteristics

| | |
|-----------------------------|-------------------------|
| Nominal Power | 190W |
| Maximum Power (Pmax) | 190W |
| Voltage at Pmax (Vmpp) | 36.7V |
| Current at Pmax (Impp) | 5.17A |
| Short circuit current (Isc) | 5.54A |
| Open circuit voltage (Voc) | 44.9V |
| Maximum System Voltage | DC1000V(TUV);DC600V(UL) |
| Power Tolerance | ±3% |
| Series Fuse Rating | 15A |



- All technical data at standard test condition:
 $A_m=1.5$ $E=1000W/m^2$ $T_c=25^\circ C$

Mechanical Characteristics

| | | | |
|---------------|--|--------------|-------------|
| Dimensions | Length: 1580mm | Width: 808mm | Depth: 40mm |
| Weight | 15.5 kg | | |
| Solar Cells | 72 solar cells (125mm x 125mm) in a 6x12 matrix connected string | | |
| Junction Box | IP 65 Junction Box | | |
| Output Cables | 4 mm ² (12AWG) solar cable with weatherproof connectors | | |
| Front Cover | 3.2mm (1/8 inch) low iron, high transparent tempered glass | | |
| Frame | Material: 6063T5; Electrophoretic coating aluminum alloy frame; Color: silver | | |

Note: Technical data is subject to change without prior notice. Please contact TIANWEI New Energy representative for latest data.

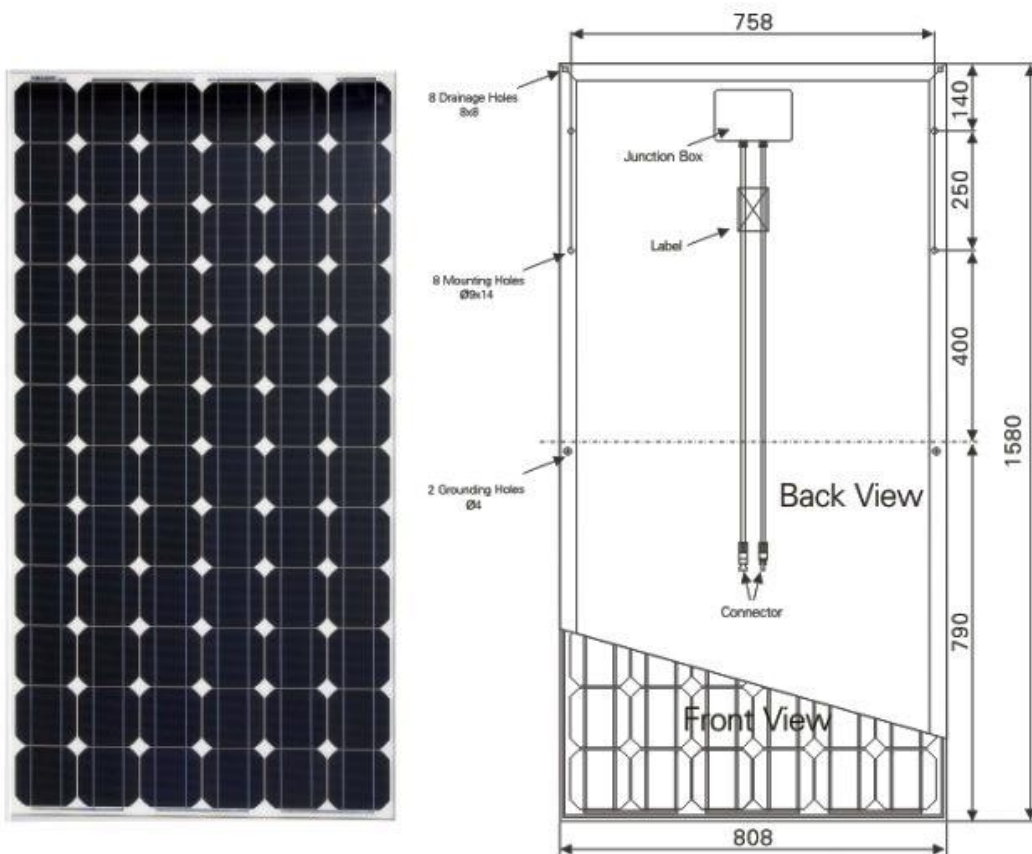
Qualification Test Parameters

| | |
|-----------------------|----------------|
| Operating Temperature | -40°C to +85°C |
| Wind Impact | ≤ 2400 Pa |
| Snow Impact | ≤ 5400 Pa |

Temperature Coefficients

| | |
|---|-----------|
| Nominal Operating Cell Temperature (NOCT) | 47±2°C |
| Temperature Coefficient of Pmax | -0.43%/°C |
| Temperature Coefficient of Voc | -0.34%/°C |
| Temperature Coefficient of Isc | 0.05%/°C |

Module Diagram



Note: Technical data is subject to change without prior notice. Please contact TIANWEI New Energy representative for latest data.