



UL-175D

SHANSHAN ULICA

175 Watt Photovoltaic Module

The UL-175D is an advanced 175w module that uses 72pcs 125mm*125mm mono-crystalline solar cells with anti-reflective SiN coating.

Performance

Rated power	175W
Tolerance	+/-3%
Nominal voltage	35V
Warranty	Five years repair, replacement 80% power output over 25 years 90% power output over 10 years

Qualification Test Parameters

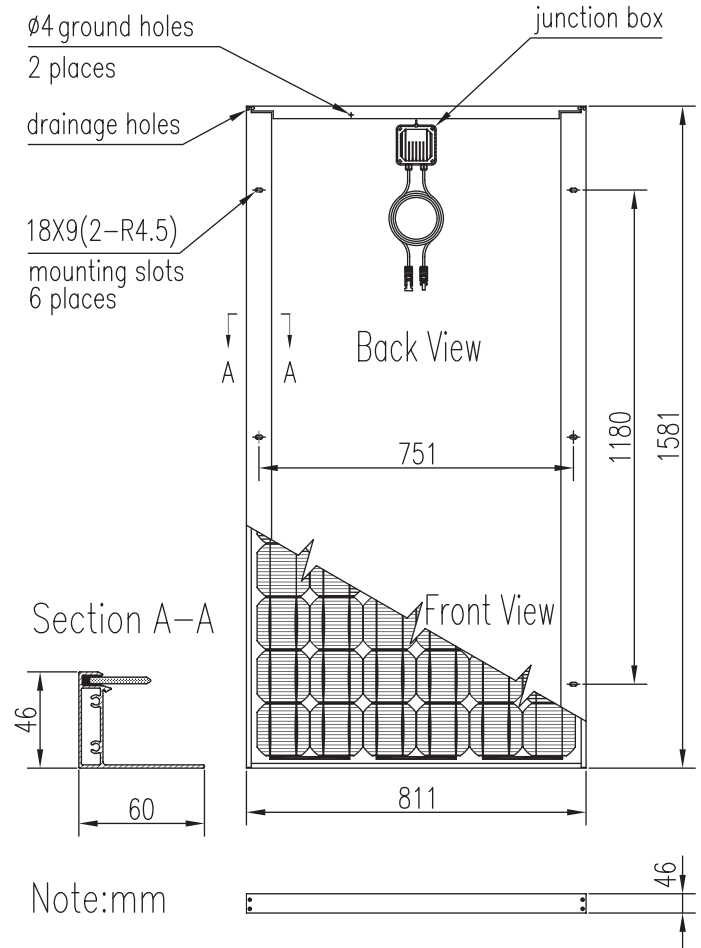
Operating Temperature	-40°C to +85°C
Maximum Load Capacity (e.g snow)	200kg/m ²
Maximum Wind Resistance	60m/s

Mechanical Characteristics

Dimensions (mm)	1581 x 811 x 46
Overall tolerances	+/-2mm
Weight (kg)	17
Frame	Clear aluminum alloy type 6063. Silver Universal frame
Solar cells	72 cells (125mm x 125mm) configured geometrically in a 6 x 12 matrix connected in series.

Typical Electrical Characteristics

Maximum power (Pmax)	175W
Voltage at Pmax (Vmp)	35V
Current at Pmax (Imp)	4.86A
Short circuit current (Isc)	5.2A
Open circuit voltage (Voc)	43.6V
Temperature coefficient of Isc	0.03%/°C
Temperature coefficient of Voc	-0.34%/°C
NOCT	47±2°C
Maximum system voltage	1000V



Standards test conditions - irradiance of 1000W/m² at an AM1.5G solar spectrum and a cell temperature of 25°C.