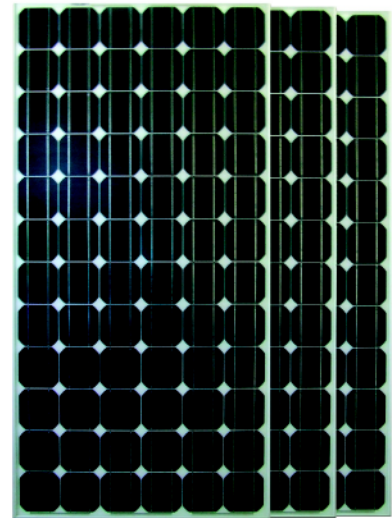


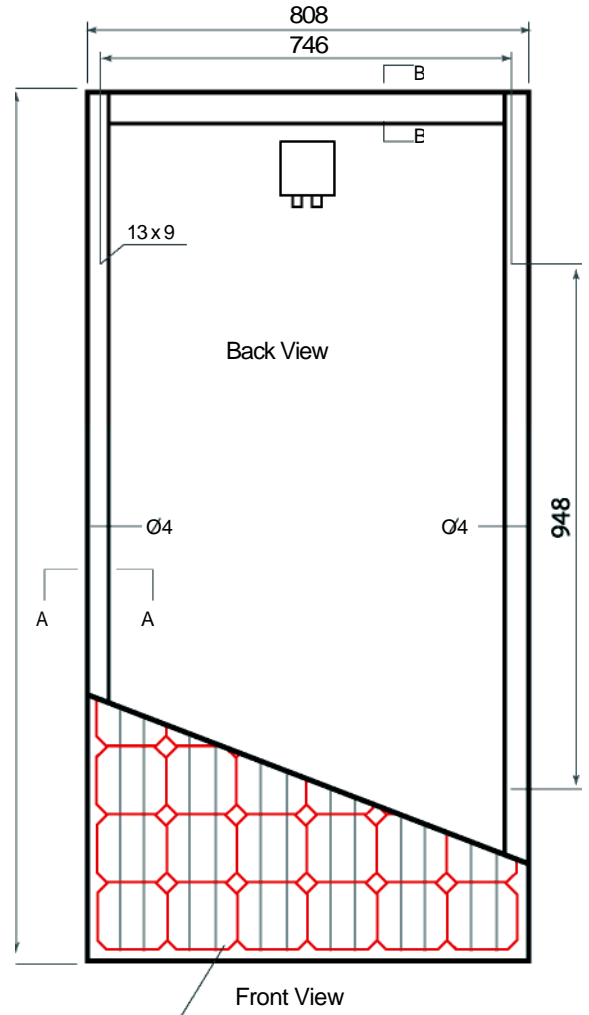
ST175M5 Photovoltaic Module

Specification Information

The Suntelligence ST175M5 modules are made up of 72(6 x 12) individual 125x125mm high efficiency mono-crystalline silicon solar cells that have been electronically matched prior to interconnection. The panel is laminated with low-iron, high transitivity glass, EVA and TPT with an anodized aluminum alloy frame. The Suntelligence ST175M5 modules are designed for long service life and easy installation.



ST175M5 MODULE DIAGRAM ▼



Applications:		
- Grid tied system - Private residences - Telecommunication	- Water pumping - Cathodic protection - Off-grid power station	- Rural electrification - Road lights

Solar Module Type:	ST175M5
Maximum Power (Pmax)	175 W
Voltage at Pmax (Vmp)	35.8 V
Current at Pmax (Imp)	4.89 A
Open-Circuit Voltage (Voc)	44.2 V
Short-Circuit Current (Isc)	5.25 A
Encapsulation:	Glass/EVA/Cells/EVA/TPT
Cells:	72pcs, 125mm x 125mm, mono-crystalline silicon
Size:	1580mm x 808 mm x 35 mm Weight: 17 kg
Connector Type:	MC4
Max. System Operating Voltage:	1000 V
Standard Test Condition:	1000W/ m2, AM 1.5, 25°C
Power Tolerance:	+/- 3%
Panel Efficiency/Cell Efficiency:	13.4%/15.1%
Operating Temperature Scope:	-40 to +90°C
Resistances:	227g steel ball free falling from a height of 1 m & 60m/s wind.

NOCT	46°C +/- 2°C	
Current Temperature coefficient	%/K	0.08
Voltage Temperature coefficient	%/K	-0.36
Power Temperature coefficient	%/K	-0.51

Product Code: ST170M5CN2

Designed in Australia. Made in China.

Warranty Information

- 5 Year Product Warranty
- Maximum Power not less than 90% after 10 years and 80% after 25 years.

Product Standards

Module certified to IEC6 1215, IEC61 730-1, and IEC6 1730-2 by VDE Offenbach, Certificate No.40028578

Module Application: Class A

