



Circle Park Industries
(888) CPI-0211
Frisco Texas



SOLAR MODULES

Features & Performance

Our PV modules have been certified by ISO9001, ISO14001, OHSAS18001 etc. As a leading PV manufacture, our prioritized goal is to keep developing and producing high quality and high efficiency modules.

Maximum Power: 130Wp

Module Efficiency: 15.16%

Product Warranty: 10 years

**Power Warranty: 10 years $\geq 90\%$
25 years $\geq 80\%$**

ST36M130/120/110
ST36M100/90/80
ST36M70



Mechanical Property

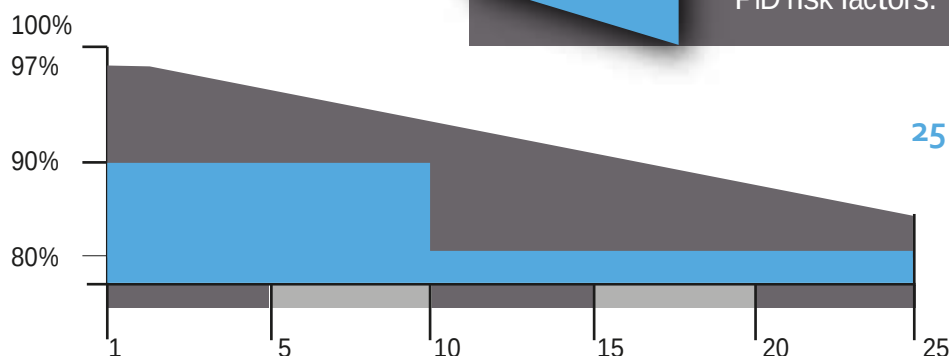
- Snow loads up to 5400Pa
- Wind loads up to 2400Pa

Low Light Performance

- Excellent performance under low light (morning, evening and cloudy days)

High Durability

- Durable PV modules, independently tested for harsh environmental conditions, such as exposure to salt mist, ammonia and known PID risk factors.



25 Years Linear Warranty

Electrical Performance (STC : AM 1.5, 1000W/m², 25°C)

Module Type	ST36M130	ST36M120	ST36M110	ST36M100	ST36M90	ST36M80	ST36M70
Maximum Power (Pmax / W)	130	120	110	100	90	80	70
Power Tolerance	± 3%						
Maximum Power Voltage (Vm / V)	17.9	17.8	17.7	17.7	17.6	17.6	17.5
Maximum Power Current (Im / A)	7.26	6.74	6.21	5.65	5.11	4.55	4.00
Open Circuit Voltage (Voc / V)	21.5	21.4	21.2	21.2	21.1	21.1	21.0
Short Circuit Current (Isc / A)	7.96	7.39	6.81	6.28	5.68	5.05	4.44
Module Efficiency (%)	15.16	15.05	14.93	14.78	14.76	14.58	14.51

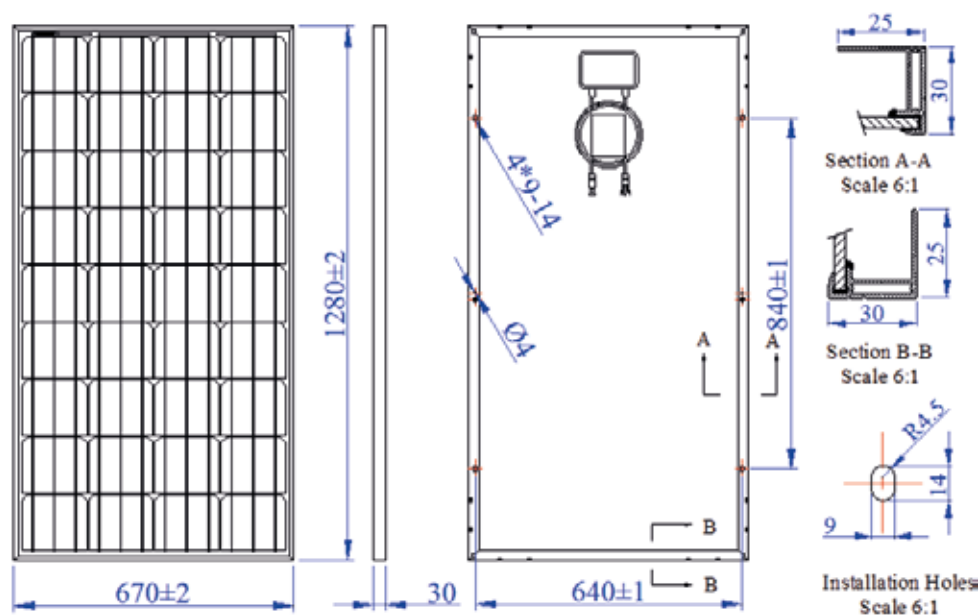
System Design

Operation Conditions

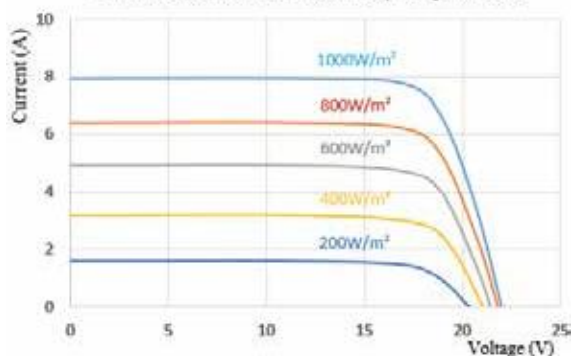
Static Load (Front/Back)	5400Pa/2400Pa	Maximum System Voltage (VDC)	1000 (IEC) / 600 (UL)
Application class	Class A	Maximum Series Fuse Rating (A)	10
Fire safety class (IEC61730)	Class C	Operating Module Temperature (°C)	-40 to +85

Mechanical Properties

Dimensions (L×W×H / mm)	1280×670×30	1190×670×30	1100×670×30	1010×670×30	910×670×30	810×670×30	720×670×30
Installation holes distance (L×W/mm)	840×640	780×640	720×640	660×640	600×640	540×640	480×640
Weight (Kg)	11.2	10.9	10.3	10	8.8	8	6.6
Sizes of Cells (L×W/mm)	156×135	156×124.8	156×114.5	156×104	156×93.6	156×83	156×73
No. of Cells (pcs)	36 (4×9)						
Sizes of Junction box cable (mm ² /mm)	4 / 900						2.5 / 900
Container 20GP(pcs)	640	640	800	768	960	960	1120
Container 40HC(pcs)	1632	1728	1920	2016	2304	2688	2880



I-V Curves at different irradiances, Temp.cell 25°C



I-V Curves at different cell temperatures, AM1.5, 1000W/m²

