



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 manufacturer, our prioritized goal is to keep developing and producing high quality and high efficiency modules.

Maximum Power: 155Wp

Module Efficiency: 15.63 %

Product Warranty: 10 years

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

ST36P155/150
ST36P145/140
ST36P135



Mechanical Property

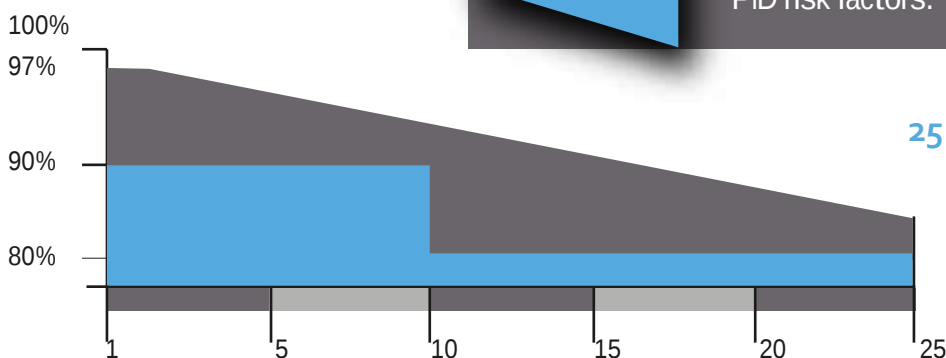
- Snow loads up to 5400Pa
- Wind loads up to 2400Pa

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	ST36P155	ST36P150	ST36P145	ST36P140	ST36P135
Maximum Power (P _{max} / W)	155	150	145	140	135
Power Tolerance	0 ~ +3%				
Maximum Power Voltage (V _m / V)	18.2	17.9	17.7	17.6	17.5
Maximum Power Current (I _m / A)	8.52	8.38	8.19	7.95	7.71
Open Circuit Voltage (V _{oc} / V)	22.1	21.9	21.8	21.7	21.5
Short Circuit Current (I _{sc} / A)	9.10	8.94	8.83	8.69	8.56
Module Efficiency (%)	15.63	15.13	14.62	14.12	13.61

Electrical Performance (NOCT : wind speed 1m/s, 800W/m², 20°C)

Module Type	ST36P155	ST36P150	ST36P145	ST36P140	ST36P135
Maximum Power (P _{max} / W)	113	110	106	102	99
Maximum Power Voltage (V _m / V)	16.6	16.3	16.1	16.0	15.9
Maximum Power Current (I _m / A)	6.83	6.72	6.57	6.38	6.19
Open Circuit Voltage (V _{oc} / V)	20.4	20.2	20.0	20.0	19.8
Short Circuit Current (I _{sc} / A)	7.36	7.23	7.13	7.02	6.92

Mechanical Properties

Dimensions (L×W×H / mm)	1480×670×35
Weight (Kgs)	11.8
Solar Cells	Polycrystalline 156×156mm
No. of Cells	36(4×9)
Glass	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP 65 above, 2 bypass diodes
Cables	4mm ² , length 900mm
Connectors	IP67, MC4 compatible

Operation Conditions

Maximum System Voltage (VDC)	1000 (IEC) / 600 (UL)
Maximum Series Fuse Rating (A)	15
Operating Module Temperature (°C)	-40 to +85

Temperature Properties

Normal Operating Cell Temperature	45±2 °C
Temperature Coefficient of P _m	-0.4 %/ °C
Temperature Coefficient of V _{oc}	-0.346 %/ °C
Temperature Coefficient of I _{sc}	+0.046 %/ °C

System Design

Hail safety impact velocity	D 25mm at 23mm/s
Static Load (Front/Back)	5400Pa/2400Pa
Application class	Class A
Fire safety class (IEC61729)	Class C

Packing Configuration

Container Sizes	20GP	40HC
Pieces per pallet	84	56/33
Pallets per Container	7	15+15
Total pieces	588	1335

