

TITAN SERIES



72 cell Poly-Crystalline Silicon Photovoltaic Module

Key Features



Passed 168 hr PID test, maintaining stable efficiency.

10 year product warranty



Passed 56-days salt spray test, qualified for sea shore installation.

12 year 90% output performance guaranteed



Heavy snow load up to 5400 Pa

25 year 80% output performance guaranteed



Passed ammonia spray test, enhancing its application on farming houses.

STC Electrical Characteristics

	330	325	320	315	310	305
Maximum Power (W)	330	325	320	315	310	305
Power Tolerance (%)	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%	0/+3%
Open Circuit Voltage (Voc)	45.20	44.90	44.60	44.30	44.00	43.7
Short Circuit Current (Isc)	9.18	9.10	9.03	8.93	8.86	8.78
Maximum powerVoltage (V)	37.90	37.70	37.50	37.30	37.10	36.80
Maximum power current (A)	8.71	8.62	8.53	8.44	8.36	8.29
Module Efficiency (%) Maximum	17.08%	16.84%	16.58%	16.32%	16.06%	15.80%
Series Fuse Rating (A)	15	15	15	15	15	15
Maximum System Voltage (V)	DC1000	DC1000	DC1000	DC1000	DC1000	DC1000
Operating Temperature (°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85

* Standard Test Conditions (STC): Solar radiation 1,000 W/m² with light spectrum AM1.5 with a cell temperature of 25°C. Measurement tolerance of Pmp under STC +/-3%. Accuracy of other electrical data +/-10%. Subject to specification changes without notification.

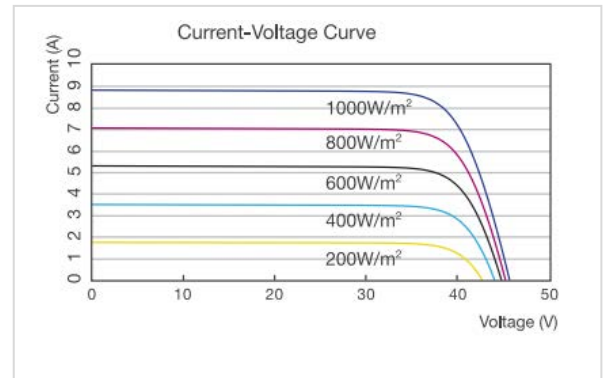
Temperature Characteristics

Short Circuit Current Temperature Coefficient	% / °C	0.06
Open Circuit Voltage Temperature Coefficient	% / °C	-0.34
Maximum Power Temperature Coefficient	% / °C	-0.44

Mechanical Characteristics

Cell Type	156x156 polycrystalline
Back Sheet Color	white
Dimensions (LxWxD mm)	1950 x 990x 50
Weight (kgs)	23
Junction Box	IP65 3 diode MC4
Standard Packaging (pcs per pallet)	27
Module Pieces per container (20 ft. / 40 ft.)	270 / 648

IV Curve



Quality Assurance

1. Electrical Insulation Test
2. Outdoor Exposure Test
3. Hot-spot Endurance Test
4. UV-Exposure
5. Thermal Cycling Test
6. Humidity Freeze Test
7. Damp Heat Test
8. Robustness of Terminations
9. Wet Leakage Current Test
10. Mechanical Load Test
11. Hail Impact Test
12. Bypass Diode Thermal Test

