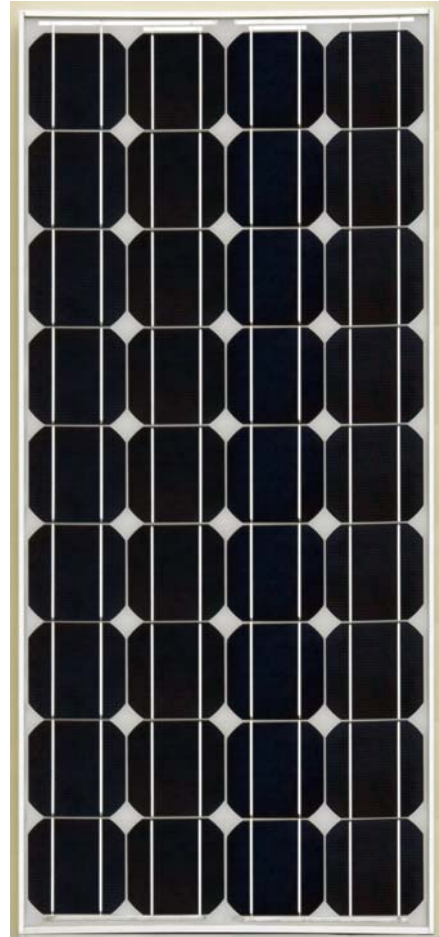




TYN-85S5

High Quality
Mono-crystalline
Photovoltaic Module



Feature

1. Bypass diode minimizes the power drop by shade.
2. The conversion efficiency of solar cell is above 14.62%.
3. White tempered glass, EVA resin, weather proof film and anodized aluminum frame. provide efficient protection from the severest environmental conditions.
4. Waterproof (UL94,V-O)connector provide nominal 12 VDC output . Perfect for grid applications.
5. Product guarantee 5 years.

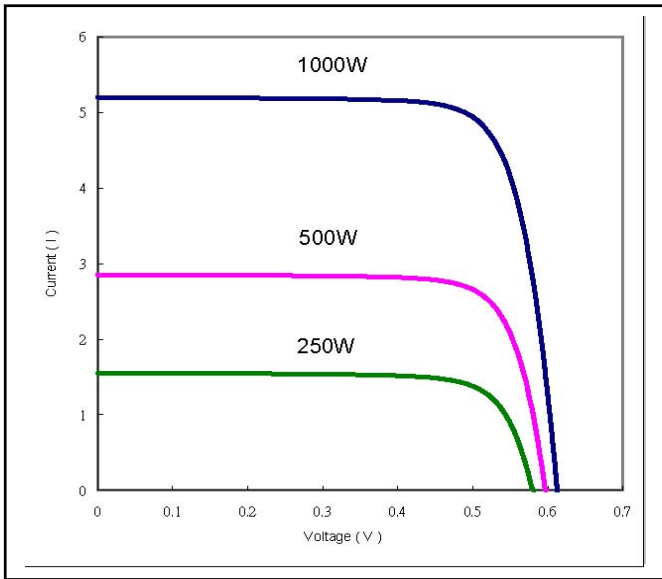
SPECIFICATION

Type Of Module	TYN-85S5			
	90W	85W	80W	75W
Maximum Power [W]	94.9	89.9	84.9	79.9
Tolerance	±5%	±5%	±5%	±5%
Open circuit Voltage [V]	22.03	21.96	21.82	21.74
Short circuit Current [A]	5.31	5.06	4.84	4.79
Maximum Power Voltage [V]	18.36	18.22	17.93	17.71
Maximum Power Current [A]	4.90	4.67	4.46	4.24
Module Efficiency [%]	13.52	12.77	12.02	11.27
Solar Cell Efficiency [%]	16.87	15.87	14.87	14.62
Series Fuse Rating [A]	10	10	10	10
Terminal Box	IP65	IP65	IP65	IP65
Maximum System Voltage [V]	DC1000	DC1000	DC1000	DC1000
Operating Temperature [°C]	-40 to 85	-40 to 85	-40 to 85	-40 to 85

Electrical Characteristics

Current-Voltage characteristics of cells at various irradiance levels

IV-Curve



Electric Performance Typical Performance Characteristics		
Short Circuit Current Temperature Coefficient	mA/°C	2.5
Open Circuit Voltage Temperature Coefficient	V/°C	-0.147
Maximum Power Temperature Coefficient	%/°C	-0.4
Performance Warranty		
90%output, 12Years		
80%output, 25 Years		

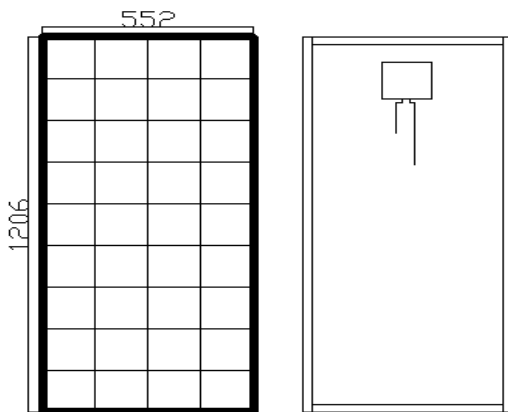
Quality Assurance

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 test.
9. Wet leakage current test.
10. Mechanical load test.
11. Hail impact test.
12. Bypass diode thermal test.

Physical Specifications

Dimension :

Length :
1206mm/47.48in
Width :
552mm/21.73in
Depth :
35mm/1.38in
Weight :
8.5 kg/pcs
Packing :
14pcs/1 carton



Loading Capacity
672pcs/20ft Container
1512pcs/40ft Container

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