



## SPM085P

### Multicrystalline Silicon Photovoltaic Module

#### FEATURE:

- TUV certification
- UL certification
- High power module using 6" Multicrystalline solar cell.
- Using low iron tempered glass, EVA laminate TPT backsheet.
- Anodize aluminum frame protected.
- 10 years limited warranty of 90% power output and 25 years limited warranty of 80% power output.
- diodes to avoid power decreasing by shade.



ELECTRICAL CHARACTERISTICS			
	SPM090P	SPM085P	SPM080P
Power at STC (Pm)	90W	85W	80W
Maximum power voltage (Vpm)	18.3V	17.9V	17.3V
Maximum power current (Ipm)	5.04A	4.84A	4.7A
Open circuit voltage (Voc)	22.2V	21.9V	21.9V
Short circuit current (Isc)	5.38A	5.17A	5.1A
Tolerance	±5%	±5%	±5%
Module efficiency	13.27%	12.53%	11.79%
Maximum system voltage	1000V DC		
Standard test conditions	Temperature 25°C, Irradiance 1000W/m <sup>2</sup> , AM=1.5		
Temperature coefficient	Isc: 0.05%/K	Voc: -0.36%/K	Pmax: -0.46%/K

Specifications	
Cell	Multicrystalline silicon solar cell, (156mmx104mm)
No. of cell and connection	36 (4x9)
Dimension	1014mm (39.9in) x 669mm (26.3in) x 35mm (1.38in)
Weight	9KG

AMBIENT CONDITIONS	
Operating Temperature	-40°C to +85°C
Storage Humidity	<90%

OUT PUT	
Type of output terminal	Junction box
Cable	Length 900mm

