

## SPM085P

### FEATURE:

- IEC61215, TUV certification
- UL 1703 certification
- ETL Class I ,Division 2,Groups C and D certification
- Using high efficiency 6” Multicrystalline cells.
- Using low iron tempered glass and an EVA pottant with TPT back sheet to encapsulated cells.
- Anodized aluminum frame protected structural strength.
- 10 years limited warranty of 90% power output and 25 years limited warranty of 80% power output.



### High-efficiency, High-Quality Multicrystalline Photovoltaic Module

SOLARTECH POWER manufactures clean, elegant and durable modules with advanced industry-leading performance for different electrical power requirements. It is designed and built to deliver highest efficiency and reliable power for on-grid residential and commercial systems worldwide.



Solartech 85Watt panels could applied in electrification of villages in remote areas, Power source for summer vacation homes, Emergency communication systems, Microwave/radio repeater stations ,etc.

UL No.: E330673

TUV No.:0000022551

IEC No.:C1-ASN07001

ETL No.:4001057



Rematek Energie  
8975 Henri Bourassa Ouest  
St Laurent, QC H4S 1P7  
514.333.6414  
[www.rematek-energie.com](http://www.rematek-energie.com)  
[info@rematek-energie.com](mailto:info@rematek-energie.com)

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%
Standard test conditions	Temperature 25°C, Irradiance 1000W/m <sup>2</sup> , AM=1.5		
Maximum system voltage	1000V DC	Series fuse rating	10A
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) x669mm (26.3in)x35mm (1.38in)
Weight	9KG

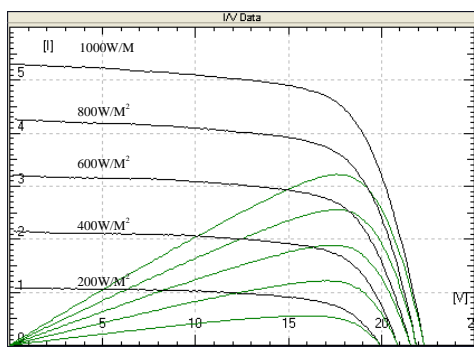
### AMBIENT CONDITIONS

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

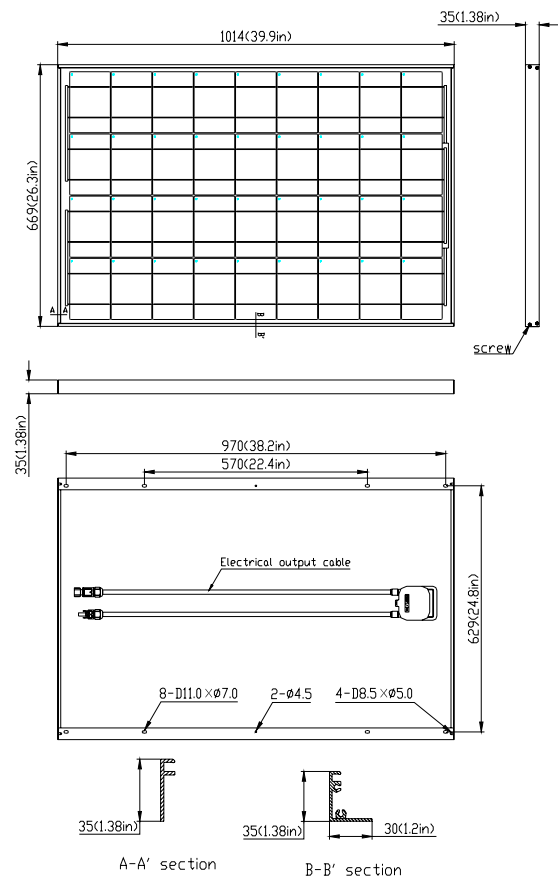
### OUT PUT

Type of output terminal	Junction box
Cable	Length 900mm

### IV CURVES



### OUTLINE DIMENSIONS



UL No.: E330673 TUV No.:0000022551 IEC No.:C1-ASN07001 ETL No.:4001057



**Rematek Energie**  
 8975 Henri Bourassa Ouest  
 St Laurent, QC H4S 1P7  
 514.333.6414  
[www.rematek-energie.com](http://www.rematek-energie.com)  
[info@rematek-energie.com](mailto:info@rematek-energie.com)