

## SPM085P

### FEATURE:

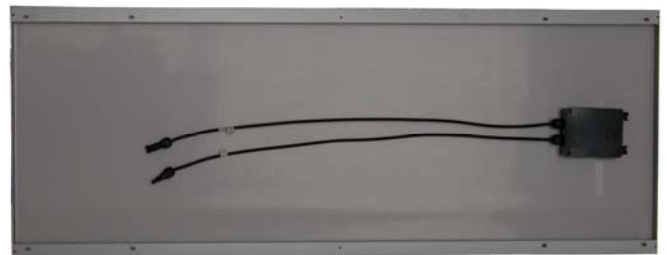
- IEC61215, TUV certification
- UL 1703 certification
- Using high efficiency 6" Multicrystalline cells.
- Using low iron tempered glass and an EVA pottant with TPT back sheet to encapsulated cells.
- Anodized aluminum frame protected structural strength.
- 10 years limited warranty of 90% power output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



### High-efficiency, High-Quality

### Multicrystalline Photovoltaic Module

ASUN Energy 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.



ASUN85Watt panels could applied in Electrification of villages in remote areas, Power source for summer vacation homes, Emergency communication systems, Microwave/radio repeater stations, Water quality and environmental data monitoring systems, Railroad signals, Pumping systems for irrigation, rural water supplies, Recreational Vehicles, etc.



## 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%/°C	Voc: -0.36%/°C	Pmax: -0.46%/°C

## Specifications

Cell	Multicrystalline silicon solar cell, (156mmx104mm)
No. of cell and connection	36 (3x12)
Dimension	1331mm (52.4in) x 508mm (20in) x 35mm (1.38in)
Weight	9.0KG

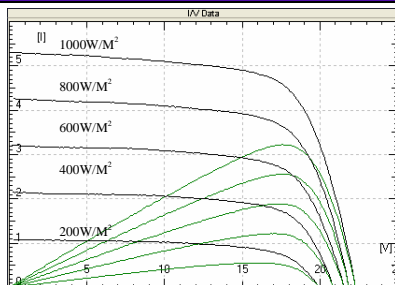
## AMBIENT CONDITIONS

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

## Output

Type of output terminal	Junction box
Cable	Length 900mm

## IV CURVES



## OUTLINE DIMENSIONS

