

Asun Energy Co., Ltd.

SPM045P

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.





ASUN 45Watt panels could applied in Electrication 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.











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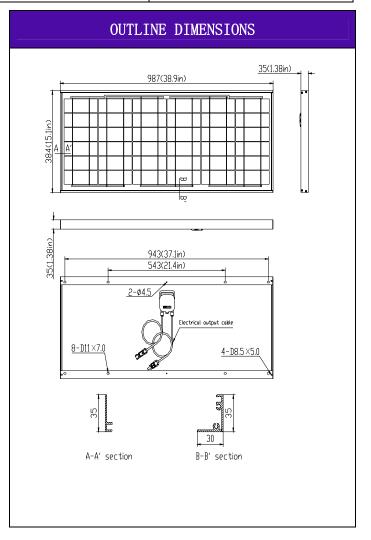
	ELECTRICA	L CHARACTERISITICS		
	SPM045P	SPM040P		
Power at STC(Pm)	45W	40W		
Maximum power voltage(Vpm)	18. 3V	17. 3V		
Maximum power current(Ipm)	2. 52A	2. 35A		
Open circuit voltage(Voc)	22. 2V	21. 8V		
Short circuit current(Isc)	2. 69A	2. 57A		
Tolerance	±5%	±5%		
Module efficiency	13. 10%	11. 6%		
Maximum system voltage	1000V DC			
Standard test conditions	Ten	perature 25°C, Irradiance	1000W/m², AM=1.5	
Temperature coefficient	Isc:0.05%/K	Voc:-0.36%/K	Pmax:-0.46%/K	

Speci	fications
Cel1	Multicrystalline silicon solar cell, (156mmx52mm)
No. of cell and connection	36 (6x6)
Dimension	987mm (38.9in) x384mm (15.1in) x35mm (1.38in)
Weight	5. 5KG

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

0	utput
Type of output terminal	Junction box
Cable	Length 900mm

	IV CURVES	
	I/V Data	1
[I] 1000W/M		
2.5 800W/M²		
2.0		
600W/M ²		
1.5 400W/M²		
400W/M		
200W/M²		
.0.5	M	
0.00	10 15 20 2	
5	10 15 20 2	













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