

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 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.

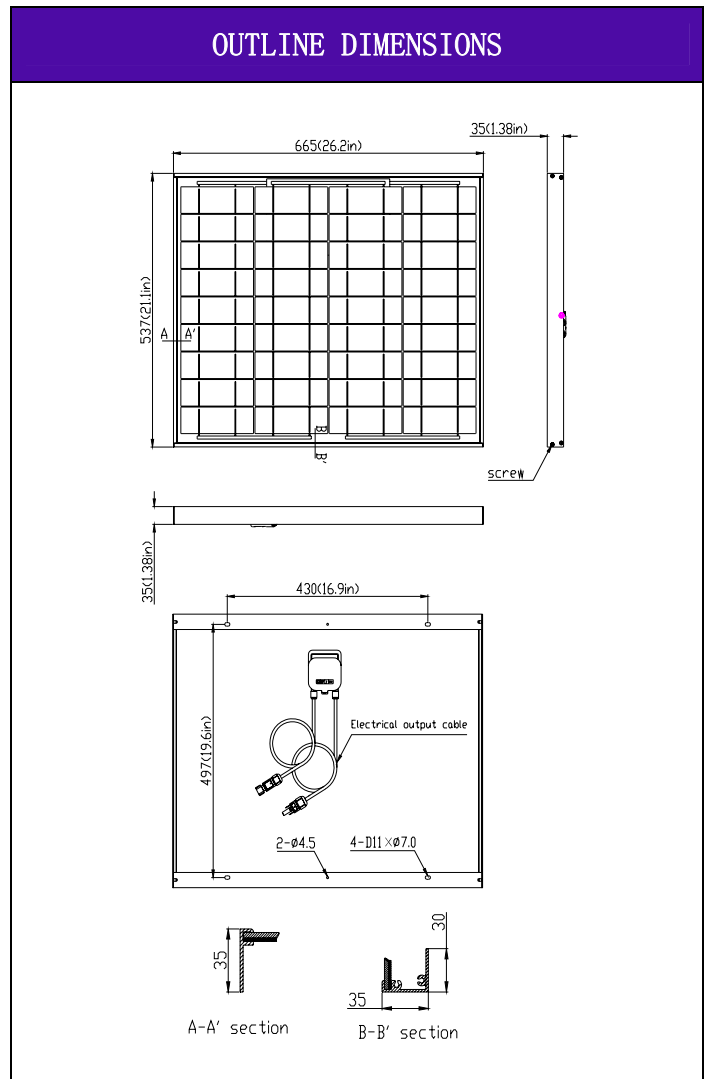
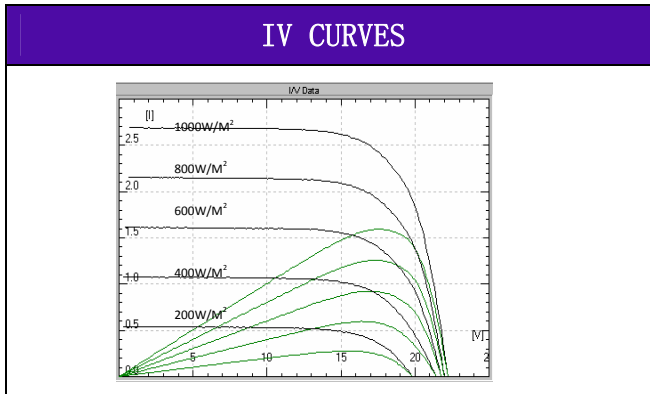


ELECTRICAL CHARACTERISTICS			
	SPM045P	SPM040P	
Power at STC(P _m)	45W	40W	
Maximum power voltage(V _{pm})	18.3V	17.3V	
Maximum power current(I _{pm})	2.52A	2.35A	
Open circuit voltage(V _{oc})	22.2V	21.8V	
Short circuit current(I _{sc})	2.69A	2.57A	
Tolerance	±5%	±5%	
Module efficiency	13.10%	11.6%	
Maximum system voltage	1000V DC		
Standard test conditions	Temperature 25°C, Irradiance 1000W/m ² , AM=1.5		
Temperature coefficient	I _{sc} :0.05%/K	V _{oc} : -0.36%/K	P _{max} : -0.46%/K

Specifications	
Cell	Multicrystalline silicon solar cell, (156mmx52mm)
No. of cell and connection	36 (4x9)
Dimension	665mm (26.2in) x 537mm (21.1in) x 35mm (1.38in)
Weight	5.0KG

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

Output	
Type of output terminal	Junction box
Cable	Length 900mm



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