

SPM210P

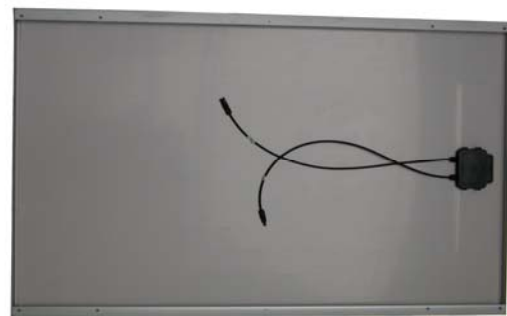
FEATURE:

- 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 210Watt panels could applied in Residential roof top systems, Large commercial grid tie systems, Water Pumping systems, High Voltage stand alone systems, Electrification of villages in remote areas, etc.



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ELECTRICAL CHARACTERISTICS

	SPM230P	SPM220P	SPM210P	SPM200P
Power at STC (P _m)	230W	220W	210W	200W
Maximum power voltage (V _{pm})	30.7V	30.3V	30.1V	28.8V
Maximum power current (I _{pm})	7.62A	7.44A	7.11A	7.07A
Open circuit voltage (V _{oc})	37.2V	36.8V	36.5V	36.4V
Short circuit current (I _{sc})	8.14A	7.95A	7.68A	7.72A
Tolerance	±5%	±5%	±5%	±5%
Module efficiency	14.1%	13.49%	12.88%	12.26%
Maximum system voltage	1000V DC			
Standard test conditions	Temperature 25℃, 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	Polycrystalline silicon solar cell, (156mmx156mm)
No. of cell and connection	60 (6x10)
Dimension	1640mm (64.6in) x 994mm (39.1in) x 50mm (1.97in)
Weight	19.5KG

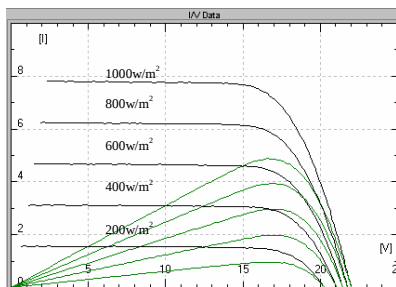
AMBIENT CONDITIONS

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

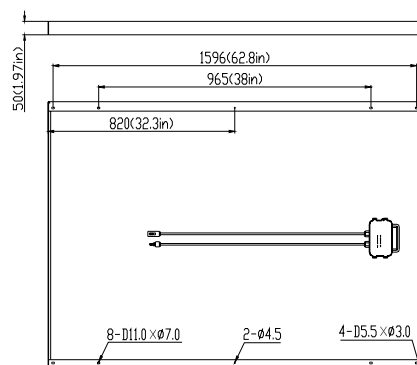
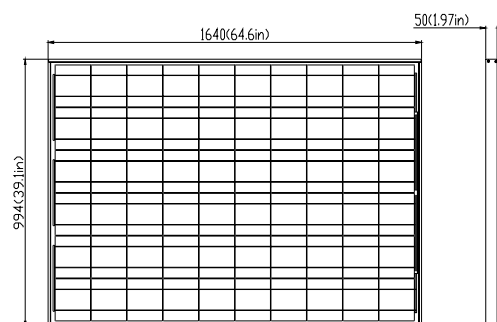
Output

Type of output terminal	Junction box
Cable	Length 900mm

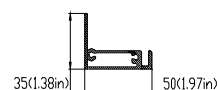
IV CURVES



OUTLINE DIMENSIONS



A-A' section



B-B' section