

SPM030P-NM

Multicrystalline Silicon Photovoltaic Module

FEATURE:

- TUV certification
- UL certification
- High power module using 6" Multicrystalline solar cell.
- Using low iron tempered glass, EVA laminate PET backsheet.
- Anodize aluminum frame protected.
- 10 years limited warranty of 90% power output and 25 years limited warranty of 80% power output.
- diodes to avoid power decreasing by shade.



ELECTRICAL CHARACTERISTICS

	SPM034P-NM	SPM030P-NM	
Power at STC (Pm)	34W	30W	
Maximum power voltage (Vpm)	18.3V	17.3V	
Maximum power current (Ipm)	1.89A	1.77A	
Open circuit voltage (Voc)	22.2V	21.9V	
Short circuit current (Isc)	2.02A	1.93A	
Tolerance	±5%	±5%	
Module efficiency	12.39%	10.9%	
Maximum system voltage	1000V DC		
Standard test conditions	Temperature 25°C, Irradiance 1000W/m ² , AM=1.5		
Temperature coefficient	Isc: 0.05%/K	Voc: -0.36%/K	Pmax: -0.46%/K

Specifications

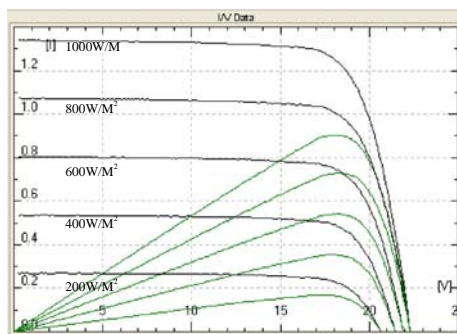
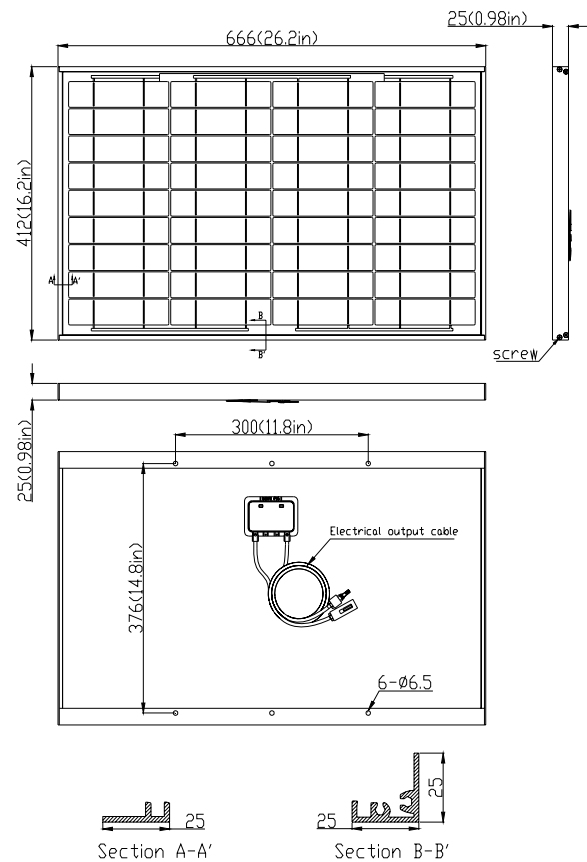
Cell	Multicrystalline silicon solar cell, (156mmx39mm)
No. of cell and connection	36 (4x9)
Dimension	666mm (26.2in) x 412mm (16.2in) x 25mm (0.98in)
Weight	3.5KG

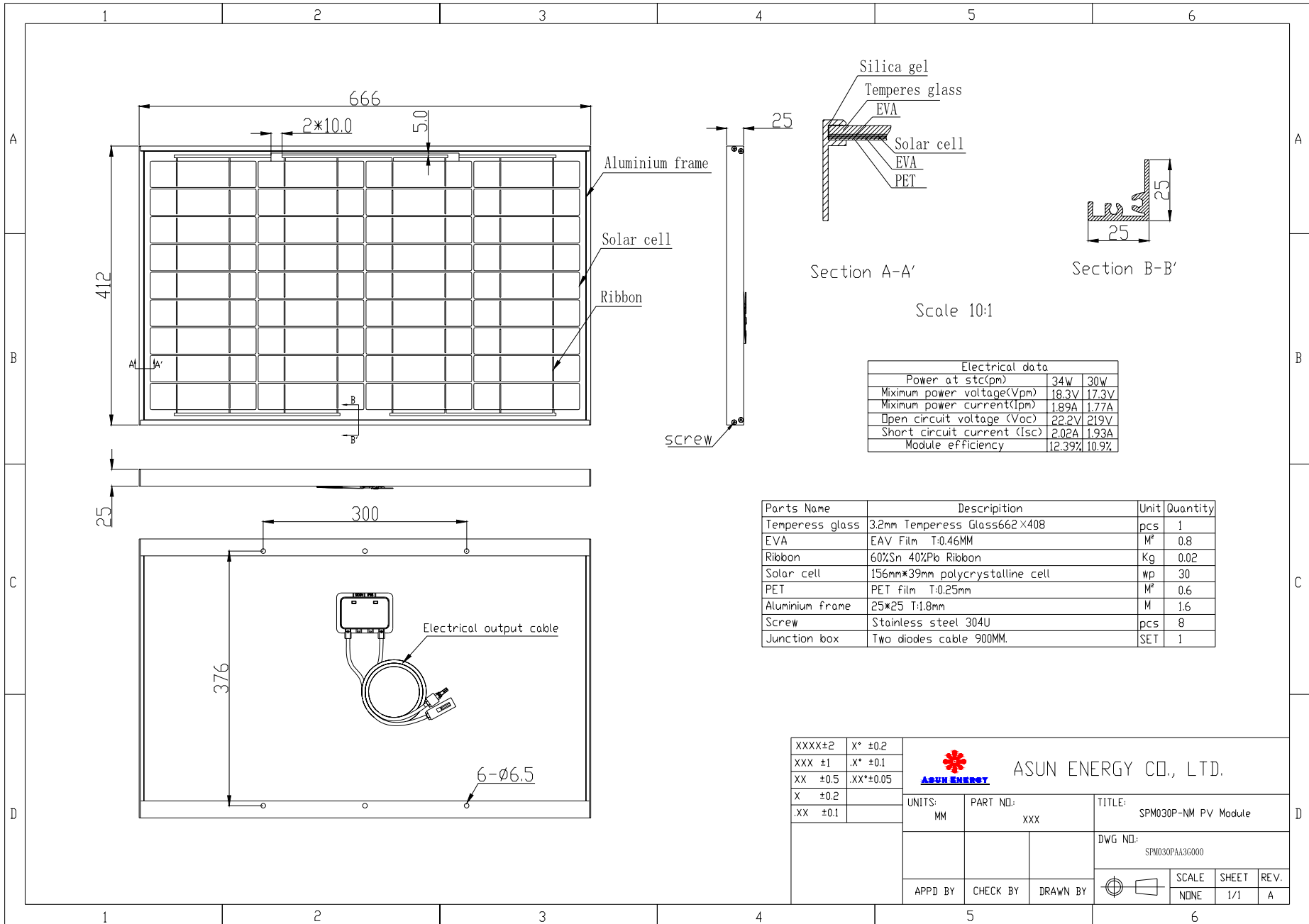
AMBIENT CONDITIONS

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




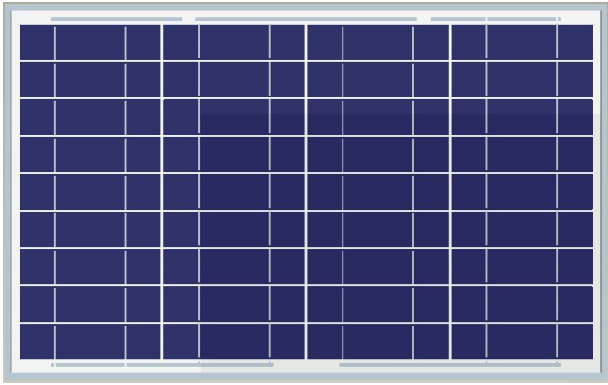
Electrical data

Power at stc(p _m)	34W	30W
Maximum power voltage(V _{pm})	18.3V	17.3V
Maximum power current(I _{pm})	1.89A	1.77A
Open circuit voltage (V _{oc})	22.2V	21.9V
Short circuit current (I _{sc})	2.02A	1.93A
Module efficiency	12.39%	10.9%

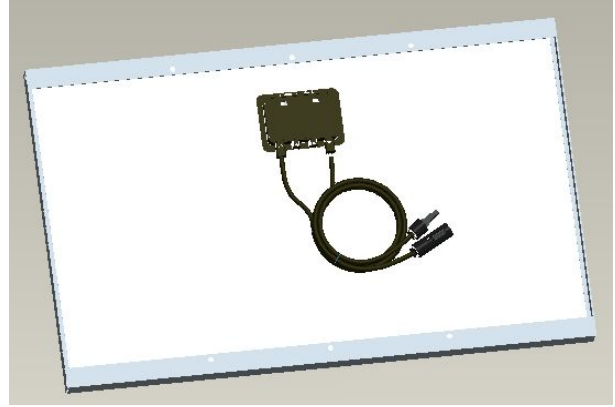
Parts Name	Description	Unit	Quantity
Temperess glass	3.2mm Temperess Glass662×408	pcs	1
EVA	EAV Film T:0.46MM	M ²	0.8
Ribbon	60%Sn 40%Pb Ribbon	Kg	0.02
Solar cell	156mm*39mm polycrystalline cell	wp	30
PET	PET film T:0.25mm	M ²	0.6
Aluminium frame	25*25 T:1.8mm	M	1.6
Screw	Stainless steel 304U	pcs	8
Junction box	Two diodes cable 900MM.	SET	1

XXXX±2	X* ±0.2	 ASUN ENERGY CO., LTD.	TITLE: SPM030P-NM PV Module				
XXX ±1	X* ±0.1		UNITS: MM	PART NO: XXX	DWG NO: SPM030PA3G000		
XX ±0.5	.XX*±0.05	APPD BY	CHECK BY	DRAWN BY	SCALE: NONE	SHEET: 1/1	REV: A
X ±0.2							
.XX ±0.1							

Product picture



Front



Back



Anodize aluminum



Junction