

SPM060P-SM

Multiply-crystalline Silicon Photovoltaic Module

FEATURE:

- TUV certification
- UL certification
- High power module using 6" multiply crystalline solar cell.
- Using low iron tempered glass, EVA laminate TPE 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

	SPM65P-SM	SPM60P-SM
Power at STC (Pm)	65W	60W
Maximum power voltage (Vpm)	18.1V	17.3V
Maximum power current (Ipm)	3.69A	3.5A
Open circuit voltage (Voc)	22.0V	21.9V
Short circuit current (Isc)	3.9A	3.8A
Tolerance	±5%	±5%
Module efficiency	12.19%	11.25%
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

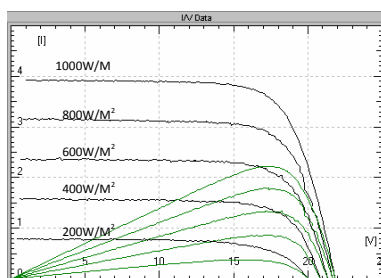
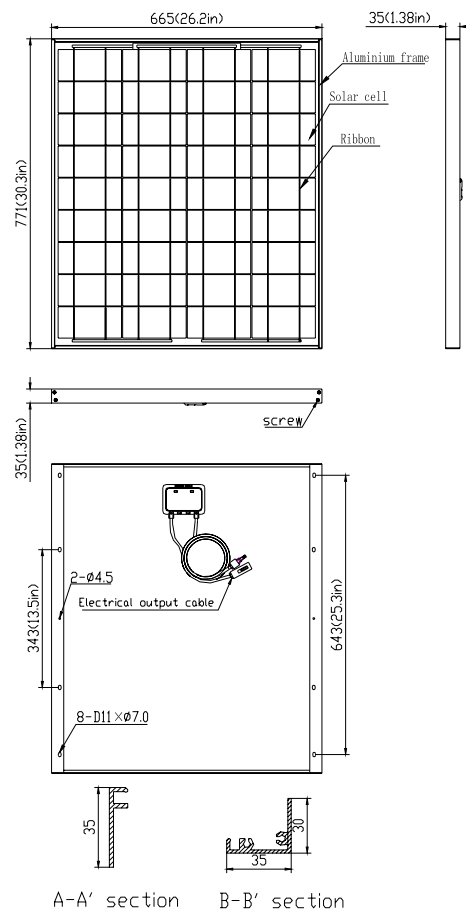
Cell	Polycrystalline silicon solar cell, (156mmx78mm)
No. of cell and connection	36 (4x9)
Dimension	771mm (30.3in) x 665mm (26.2in) x 35mm (1.38in)
Weight	6KG

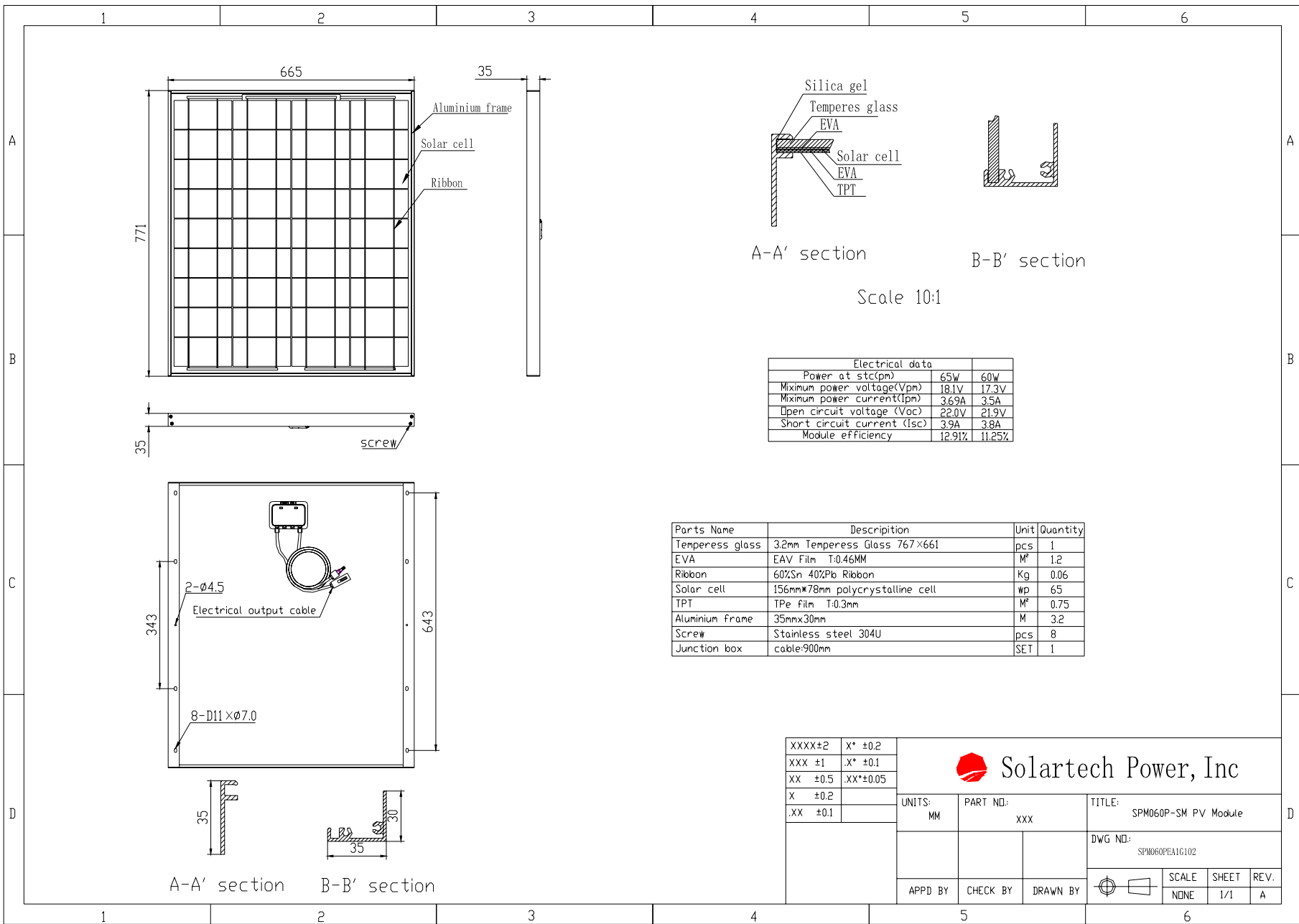
AMBIENT CONDITIONS

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

Output

Type of output terminal	Junction box
Cable	Length 900mm

IV CURVES

OUTLINE DIMENSIONS




A-A' section

B-B' section

Scale 10:1

Electrical data		
Power at stc(pn)	65W	60W
Maximum power voltage(V _{mp})	18.1V	17.3V
Maximum power current(I _{mp})	3.69A	3.5A
Open circuit voltage (V _{oc})	22.0V	21.9V
Short circuit current (I _{sc})	3.9A	3.8A
Module efficiency	12.91%	11.25%

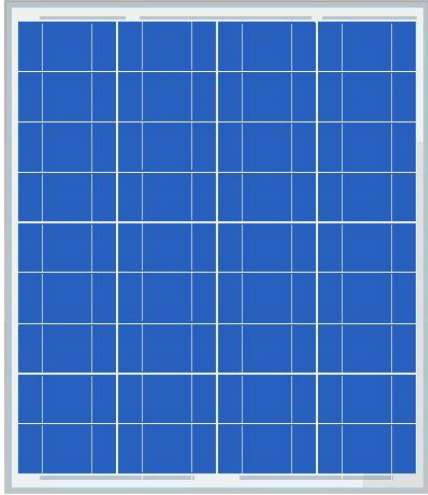
Parts Name	Description	Unit	Quantity
Temperess glass	3.2mm Temperess Glass 767×661	pcs	1
EVA	EAV Film T:0.46MM	M ²	1.2
Ribbon	60%Sn 40%Pb Ribbon	Kg	0.06
Solar cell	156mm×78mm polycrystalline cell	wp	65
TPT	TPe film T:0.3mm	M ²	0.75
Aluminium frame	35mm×30mm	M	3.2
Screw	Stainless steel 304U	pcs	8
Junction box	cablc:900mm	SET	1

XXXX±2	X* ±0.2
XXX ±1	X* ±0.1
XX ±0.5	XX*±0.05
X ±0.2	
.XX ±0.1	

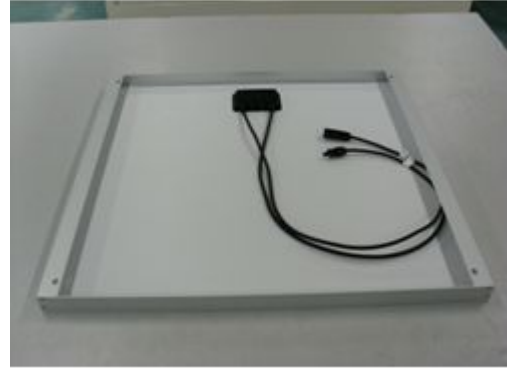
 Solartech Power, Inc

UNITS: MM	PART NO: XXX	TITLE: SPM060P-SM PV Module
APPD BY	CHECK BY	DWG NO: SPM060PEA1G102
DRAWN BY	SCALE: NONE	SHEET: 1/1
		REV: A

Product picture



Front



Back



Anodize aluminum



Junction