



Solartech Power, Inc.

SPECIFICATIONS

ELECTRICAL CHARACTERISITICS

Model	SPM100M-TS-F	SPM090M-TS-F	SPM085M-TS-F
Power at STC(P _m)	100W	90W	85W
Maximum power voltage(V _{pm})	18.6V	18.3V	17.9V
Maximum power current(I _{pm})	5.38A	5.04A	4.84A
Open circuit voltage(V _{oc})	22.8V	22.2V	21.9V
Short circuit current(I _{sc})	5.76A	5.38A	5.17A
Tolerance	±5%	±5%	±5%
Module efficiency	14.7%	13.27%	12.53%
Standard test conditions	Temperature 25°C, Irradiance 1000W/m², AM=1.5		
Maximum system voltage	1000V DC	Series fuse rating	10A
Temperature coefficient	I _{sc} :0.05%/K	V _{oc} : -0.36%/K	P _{max} : -0.46%/K

Specifications

Cell	Monocrystalline silicon solar cell, (156mmx104mm)
No. of cell and connection	36 (4x9)
Dimension	1014mm (39.9in) x 669mm (26.3in) x 35mm (1.38in)
Weight	9KG

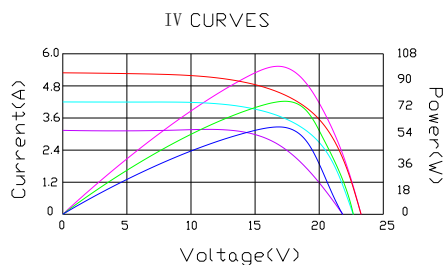
AMBIENT CONDITIONS

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

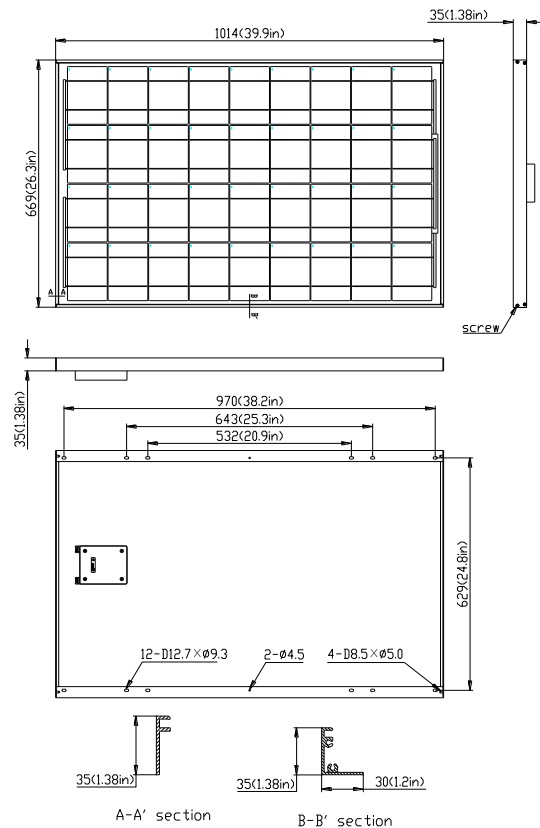
OUT PUT

Type of output terminal	Junction box
Cable	

IV CURVES



OUTLINE DIMENSIONS



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