

# SOLARTECH POWER

## SPM120P/125P-W

### SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx52mm
No. of cells and connections	68(4x17)	
Dimension of module	1482x676x50(mm)	58.3x26.6x1.97 (in )
Weight	12kg	26.51b

### Characteristics

Model	SPM120P	SPM125P
Power at STC(Pm)	120W	125W
Maximum power voltage(Vpm)	33.5V	34V
Maximum power current(Ipm)	3.6A	3.75A
Open circuit voltage(Voc)	41.2V	41.5V
Short circuit current(Isc)	3.9A	4.0A
Tolerance	± 5%	± 5%
Module efficiency	11.98%	12.47%

STC: Temperature 25°C, Irradiance 1000W/m<sup>2</sup>, AM=1.5

### Limits

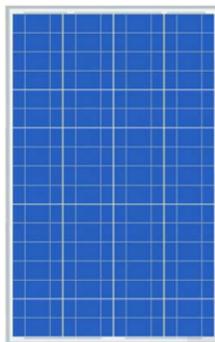
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

### Components & Mechanical Data

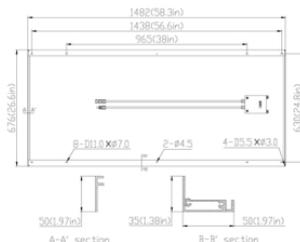
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

### Temperature coefficient

Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



### Back of the module



### IV CURVES

