

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/m², AM=1.5

Limits

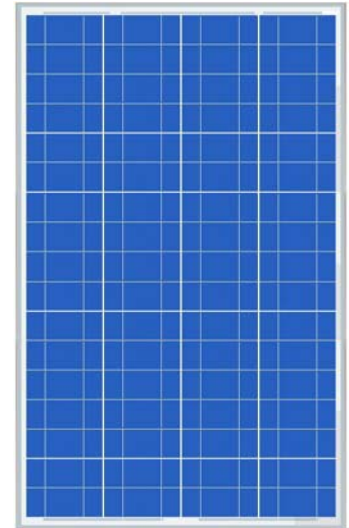
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

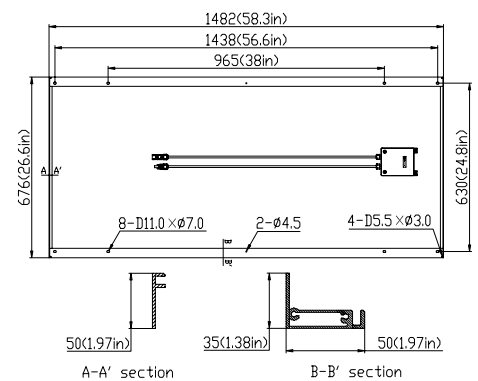
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

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

