

## SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx52mm
No. of cells and connections	36 (6 x 6)	
Dimension of module	987 mm x 384 mm x 35 mm	68.9" x 15.1" x 1.38"
Weight	5kg	11.01lb

Cable length: 900 mm

## Characteristics

Model	SPM045P
Power at STC(Pm)	45W
Maximum power voltage(Vpm)	18.3V
Maximum power current(Ipm)	2.52A
Open circuit voltage(Voc)	22.2V
Short circuit current(Isc)	2.69A
Tolerance	± 5%

Type of output terminal: Junction Box

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

## Limits

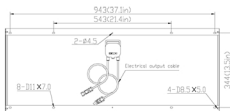
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

## 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



A-A' section



B-B' section



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673