

## SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx104mm
No. of cells and connections	36(4x9)	
Dimension of module	1014x669x35(mm)	39.9x26.3x1.38(in )
Weight	9kg	19.81b

## Characteristics

Model	SPM085P
Power at STC(Pm)	85W
Maximum power voltage(Vpm)	17.9V
Maximum power current(Ipm)	4.84A
Open circuit voltage(Voc)	21.9V
Short circuit current(Isc)	5.17A
Tolerance	± 5%

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

## Limits

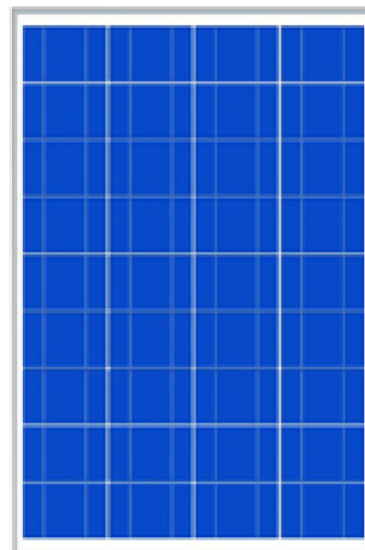
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

## 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

