

# SOLARTECH POWER

## SPM050P/055P

### SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx65mm
No. of cells and connections	36(4x9)	
Dimension of module	652x639x35(mm)	25.7x25.2x1.38 (in )
Weight	6kg	13.21lb

### Characteristics

Model	SPM050P	SPM055P
Power at STC(Pm)	50W	55W
Maximum power voltage(Vpm)	17.4V	18.2V
Maximum power current(Ipm)	2.98A	3.1A
Open circuit voltage(Voc)	21.89V	22.1V
Short circuit current(Isc)	3.23A	3.31A
Tolerance	±5%	±5%
Module efficiency	12.0%	13.2%

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

### Limits

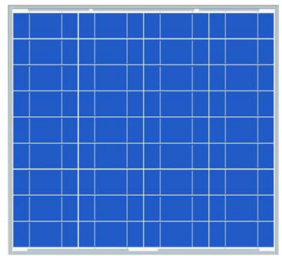
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

### Components & Mechanical Data

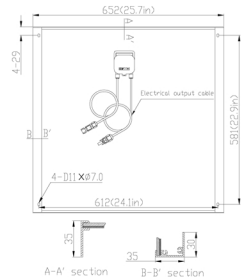
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

### 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

