

SOLARTECH POWER

SPM004P/005P/006P-D

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	78mmx15.6mm
No. of cells and connections	36(4x9)	
Dimension of module	360x216x18(mm)	14.2x8.5x0.7(in)
Weight	1.2kg	2.651b

Characteristics

Model	SPM004P	SPM005P	SPM006P
Power at STC(Pm)	4W	5W	6W
Maximum power voltage(Vpm)	16.8V	17.1V	17.3V
Maximum power current(Ipm)	0.24A	0.30A	0.35A
Open circuit voltage(Voc)	21.5V	21.7V	21.8V
Short circuit current(Isc)	0.28A	0.31A	0.38A
Tolerance	± 5%	± 5%	± 5%
Module efficiency	5.1%	6.5%	7.7%

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

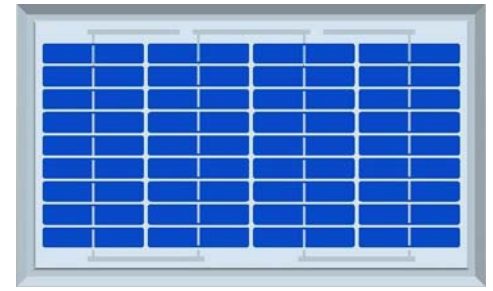
Operating temperature	-40 to +85°C
Maximum system voltage	600V DC
Series fuse rating	10A

Components & Mechanical Data

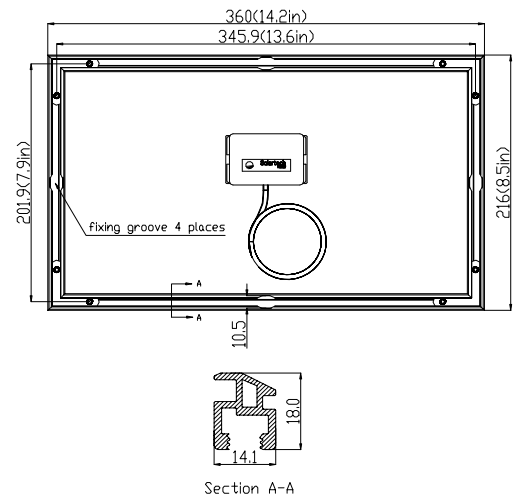
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White PET(0.2±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

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

