SOLARTECH POWER SPM040P/045P

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell 156mmx52mm			
No. of cells and connections	36(4x9)		
Dimension of module	665x537x35(mm)		26.2x21.1x1	.38 (in)
Weight	5kg	11.01b		

Characteristics

Model	SPM040P	SPM045P
Power at STC(Pm)	40W	45W
Maximum power voltage(Vpm)	17.3V	18.3V
Maximum power current(Ipm)	2.35A	2.52A
Open circuit voltage(Voc)	21.8V	22.2V
Short circuit current(Isc)	2.57A	2.69A
Tolerance	±5%	±5%
Module efficiency	11.6%	13.10%

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

Limits

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

Components & Mechanical Data

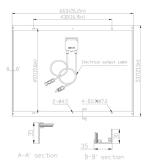
Front Glass	3.2mm tempered	
Junction Box	IP-65 rated	
Frame	Anodized aluminum alloy type 6063-T5	
Encapsulation Material	EVA(0.5±0.05mm thickness)	
Back Foil	White TPT(0.32±0.03mm thickness)	
Temperature Range	-40°C to +90°C	
Max Load	5400Pa	

Temperature coefficient

Nomina	Operation Cell Temperature	48℃±2℃
Current	temperature coefficient	0.06±0.01 %/K
Voltage	temperature coefficient	- (78±10) mv/k
Power	temperature coefficient	- (0.5±0.05) %/k

For product and purchasing

Back of the module



IV CURVES

