

SOLARTECH POWER

SPM030WP



SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx19.5mm
No. of cells and connections	68(4x17)	
Dimension of module	666x412x25(mm)	26.2x16.2x0.98(in)
Weight	3.5kg	7.71b

Characteristics

Model	SPM030WP
Power at STC(Pm)	30W
Maximum power voltage(Vpm)	34.1V
Maximum power current(Ipm)	0.914A
Open circuit voltage(Voc)	41.2V
Short circuit current(Isc)	0.988A
Tolerance	± 5%
Module efficiency	10.9%

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

Limits

Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	10A

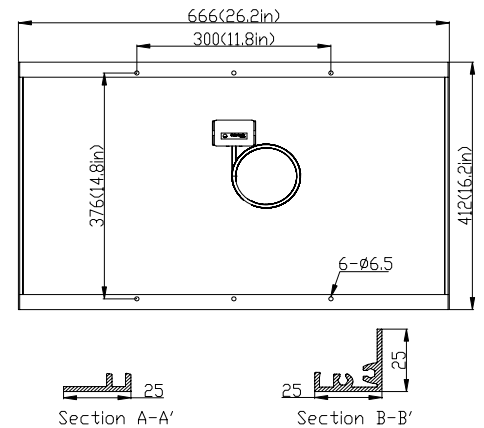
Components & Mechanical Data

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 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

