

SOLARTECH POWER

SPM020WP

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	78mmx26mm
No. of cells and connections	68(4x17)	
Dimension of module	550x350x25(mm)	21.7x13.8x0.98(in)
Weight	2.8kg	6.171b

Characteristics

Model	SPM020WP	
Power at STC(Pm)	20W	
Maximum power voltage(Vpm)	33.9V	
Maximum power current(Ipm)	0.605A	
Open circuit voltage(Voc)	41.3V	
Short circuit current(Isc)	0.65A	
Tolerance	±5%	
Module efficiency	10.38%	

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

Limits

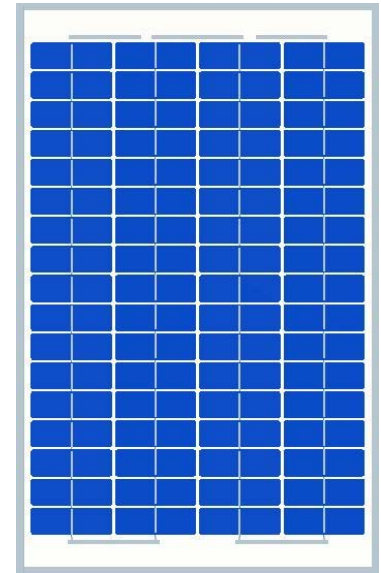
Operating temperature	-40 to +85°C
Maximum system voltage	600V DC
Series fuse rating	10A

Components & Mechanical Data

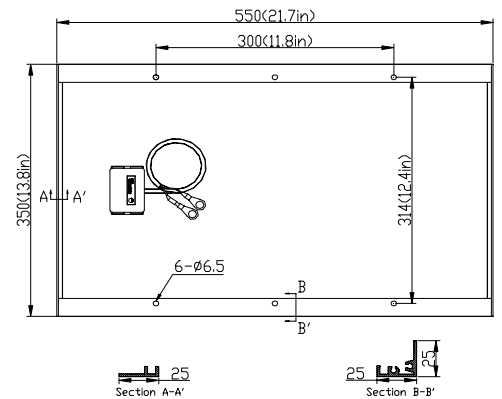
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White PET(0.2±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

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

