

# 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	6.171lb

### Characteristics

Model	SPM020WP
Power at STC(P <sub>m</sub> )	20W
Maximum power voltage(V <sub>pm</sub> )	33.9V
Maximum power current(I <sub>pm</sub> )	0.605A
Open circuit voltage(V <sub>oc</sub> )	41.3V
Short circuit current(I <sub>sc</sub> )	0.65A
Tolerance	±5%
Module efficiency	10.38%

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

### Limits

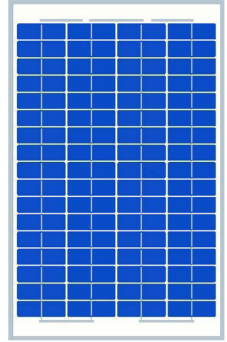
Operating temperature	-40 to +85°C
Maximum system voltage	600V DC
Series fuse rating	10A

### Components & Mechanical Data

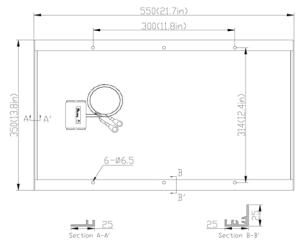
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White PET(0.2±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

### 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

