

Electrical Characteristics	
Type	SA100-72P
Maximum power (Wp)	100.00
Maximum power voltage (V)	18.90
Maximum power current (A)	5.30
Open circuit voltage (V)	22.70
Short circuit current (A)	5.80
Cell Efficiency (%)	17.50%
FF (%)	≥74%
Maximum system voltage (V)	1000V
Temperature Range	-40℃ to +85℃
Power tolerance (%)	±5%
Standard Test Conditions	1000W/m ² , AM1.5 , 25℃
Mechanical Characteristics	
Solar cell	Poly
Number of cells (Pcs)	72
Size of module (mm)	1032*676*25
Weight per piece (kg)	7.5
Front Glass	3.2 mm tempered glass
Surface Maximum Load Capacity	60m/s(200kg/sq.m)
Allowable Hail Load	steel ball fall down from 1m height
Frame	Anodized aluminium alloy
Junction Box Type	IP65 rated
Temperature coefficients	
Nominal Operating Cell	45±2℃
Temperature coefficients β (Voc)	Between -0.24%/℃ to -0.33%/℃
Temperature coefficients γ (Pm)	Between -0.37%/℃ to -0.42%/℃
Temperature coefficients α(Isc)	Between 0.03%/℃ to 0.04%/℃

