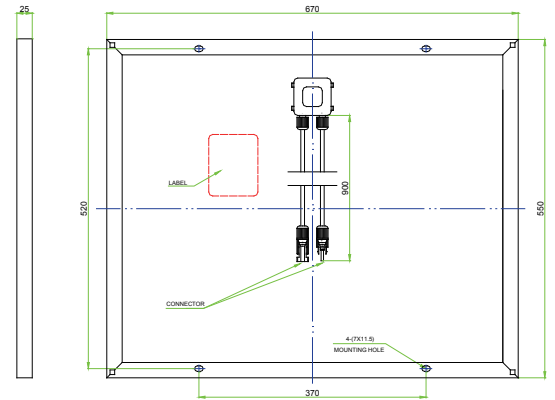


## Mechanical Characteristics

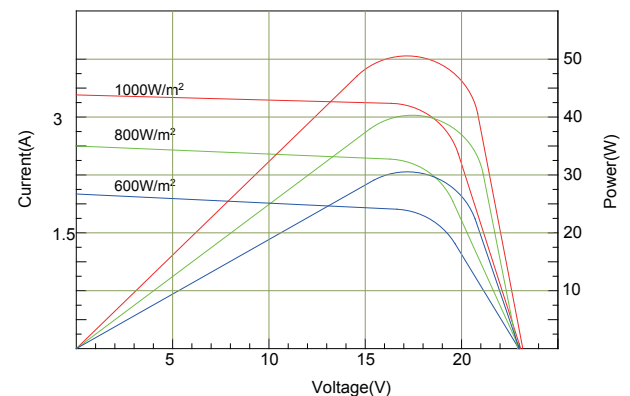
Type of cell	Poly-Crystalline 156x52mm
Cells Array and Number	4x9(36pcs)
Dimensions	670x550x25mm
Weight	5.2Kg
Front Glass	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Encapsulation	Glass/EVA/Cells/EVA/TPT
Relative Humidity	0 to 100%
Resistance	227g steel ball fall down from 1m height and 60m/s wind
Snow load parameters	2400Pa



## Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45 °C ± 5 °C
Temperature Coefficient of Pmax	-(0.410 ± 0.05)%/K
Temperature Coefficient of Voc	-(0.320 ± 0.01)%/K
Temperature Coefficient of Isc	-(0.050 ± 0.05)%/K
Maximum Series Fuse/current rating	10A

## I-V Characteristics Curve



## Electrical Characteristics

Characteristics	45W	50W	55W
Open-Circuit Voltage(Voc)	21.39V	21.62V	22.65V
Optimum Circuit Voltage(Vmp)	17.25V	17.44V	18.12V
Short-Circuit Current(Isc)	2.78A	3.06A	3.24A
Optimum Circuit Current(Imp)	2.60A	2.86A	3.03A
Maximum Power at STC(Pmax)	95W	100W	105W
Module Efficiency	12.21%	13.57%	14.93%
Operating Temperature	-40 °C to +85 °C		
Maximum System Voltage	1000V DC		
Power tolerance	±3%		
STC: Irradiance 1000W/m <sup>2</sup> , Module temperature 25 °C, AM=1.5			