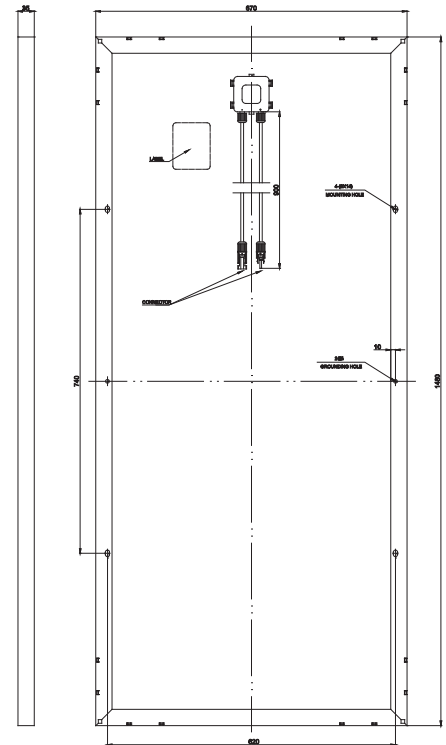


## Mechanical Characteristics

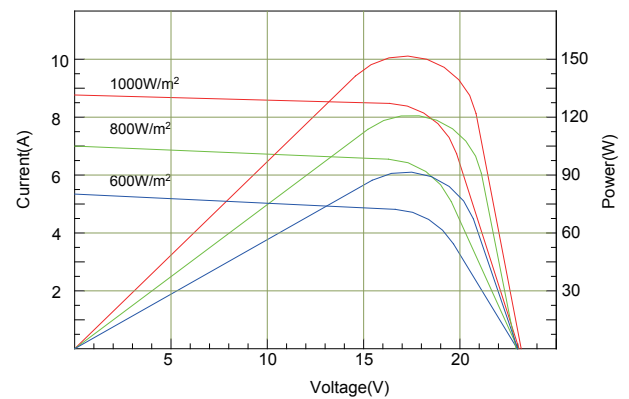
Type of cell	Poly-Crystalline 156x156mm
Cells Array and Number	4x9(36pcs)
Dimensions	1480x670x35mm
Weight	12.5Kg
Front Glass	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Encapsulation	Glass/EVA/Cells/EVA/TPT
Relative Humidity	0 to 100%
Resistance	227g steel ball fall down from 1m height and 60m/s 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	145W	150W	155W	160W
Open-Circuit Voltage(Voc)	22.60V	22.90V	23.00V	23.21V
Optimum Circuit Voltage(Vmp)	18.25V	18.30V	18.50V	18.61V
Short-Circuit Current(Isc)	8.58A	8.76A	9.00A	9.25A
Optimum Circuit Current(Imp)	7.95A	8.16A	8.38A	8.61A
Maximum Power at STC(Pmax)	145W	150W	155W	160W
Module Efficiency	14.62%	15.12%	15.63%	16.13%
Operating Temperature	-40 °C to +85 °C			
Maximum System Voltage	1000V DC			
Power tolerance	±3%			
STC: Irradiance 1000W/m², Module temperature 25 °C, AM=1.5				