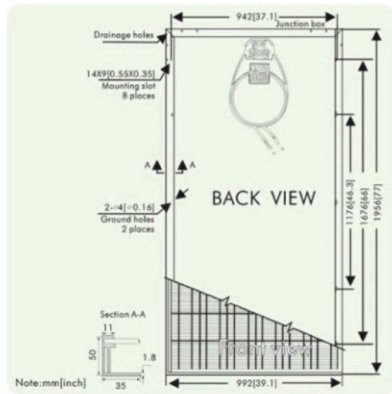




Electrical Characteristics

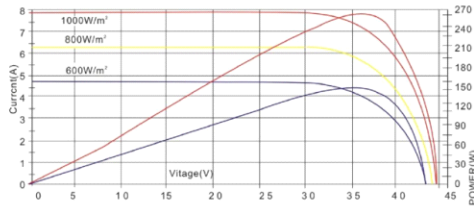
Characteristics	SR156M-270	SR156M-280	SR156M-290	SR156M-300	SR156M-310
Maximum power at STC (Pmax)	270Wp	280Wp	290Wp	300Wp	310Wp
Open-Circuit Voltage(Voc)	43.7V	44.0V	44.5V	45.0V	45.5V
Optimum Operating Voltage(Vmp)	35V	35.3V	35.6V	35.9V	36.3V
Short-Circuit Current (Isc)	8.4A	8.58A	8.80A	9.09A	9.20A
Optimum Operating Current(Imp)	7.72A	7.93A	8.14A	8.35A	8.53A
Module Efficiency	14.75%	15.25%	15.75%	16.50%	17.25%
Solar Cell Efficiency	15.50%	16.00%	16.50%	17.25%	18.00%
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000V DC				
Series Fuse Rating	20A				
Power Tolerance	±1.5%				

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



Mechanical Characteristics	
Solar cell	Mono-crystalline 156×156mm (6inch)
No. of cells	72(6×12)
Dimensions	1956×992×50mm
Weight	28kg
Front Glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	PV-RH701 (TUV)
Temperature Coefficients	
Temperature Coefficients	
Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-(0.47±0.05)%/°C
Temperature Coefficient of Voc	-(0.34±0.01)%/°C
Temperature Coefficient of Isc	-(0.055±0.01)%/°C
WARRANTY	
Manufacturing	8years
Power production	90% =12 years 80% =25 years

Current-Voltage & Power-Voltage Curve(260W)



Temperature Dependence of Isc, Voc, Pmax

