

# 270 Watt

## POLY-CRYSTALLINE SOLAR PANEL

### Features

- High conversion efficiency based on leading innovative photovoltaic technologies
- High reliability with guaranteed  $\pm 3\%$  power output tolerance, ensuring return on investment
- Withstands high wind-pressure and snow load (passed IEC 5400Pa mechanical loading test), and extreme temperature variations

### Quality and Safety

- 25-year power output transferable warranty
- Rigorous quality control meeting the highest international standards
- ISO 9001:2000 (Quality Management System) and ISO 14001:2004 (Environmental Management System) certified factories manufacturing world class products
- IEC61215, IEC61730, conformity to CE

### Recommended Applications

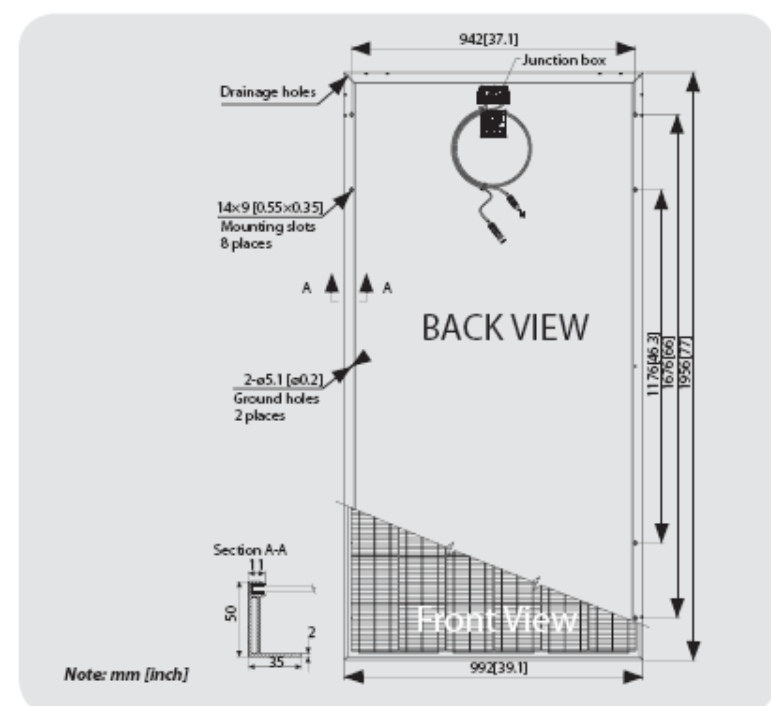
- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems



# Electrical Characteristics

Open - Circuit Voltage (Voc)	44.8V	44.5V	44.0V
Optimum Operating Voltage (Vmp)	35.2V	35.0V	34.8V
Short - Circuit Current (Isc)	8.33A	8.20A	8.09A
Optimum Operating Current (Imp)	7.95A	7.71A	7.47A
Maximum Power at STC (Pmax)	280Wp	270Wp	260Wp
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC
Maximum Series Fuse Rating	20A	20A	20A
Power Tolerance	±3 %	±3 %	±3 %

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



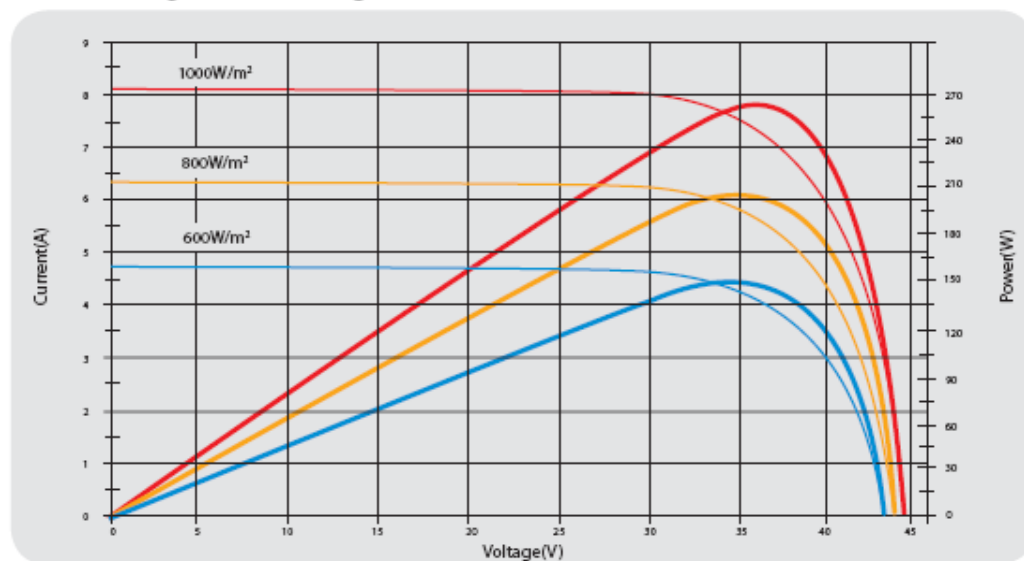
## Mechanical Characteristics

Solar Cell	Poly-crystalline 156×156mm (6inch)
No. of Cells	72 (6×12)
Dimensions	1956×992×50mm (77.0×39.1×2.0inch)
Weight	27 kg (59.5lbs.)
Front Glass	4mm(0.16inch) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65 rated
Output Cables	LAPP 4.0mm <sup>2</sup> (0.006inch <sup>2</sup> ), asymmetrical lengths (-) 1200mm(47.2inch) and (+)800mm(31.5inch), MC Plug Type IV connectors

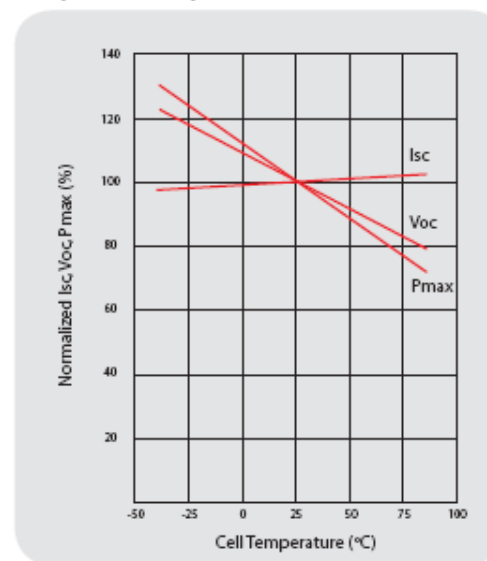
## Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.47 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.045 %/°C

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



Temperature Dependence of Isc, Voc, Pmax



Specifications are subjected to change without further notice