

**CHUBB  
INSURANCE**



## 270W (PAS1001) MONOCRYSTALLINE MODULE 60x6"

### Characteristics & Performance

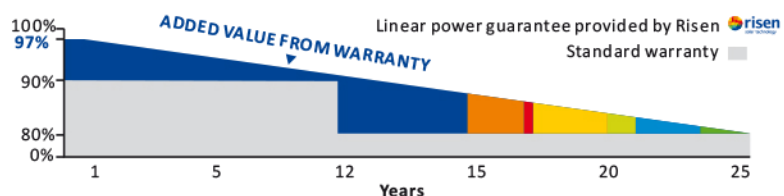
- Use of only certified materials at highest quality standards.
- The process of cell and module production is fully automated with 100% quality control and product traceability.
- Heavy load mechanical resistance: TÜV certified (5400Pa tested against snow and 2400Pa test against wind)
- Excellent performances even during low solar radiation
- Guaranteed positive tolerance 0 to +3% of power for each module

### Certifications for Incentives

- **Quality, Environment, Health & Safety**  
ISO9001:2008, ISO14001:2004, OHSAS18001:2007  
Full Member PV Cycle Association AISBL
- **Product Certifications**  
Quality and Robustness: IEC61215:2005  
Safety: IEC61730 -1/-2, MCS, CEC  
Resistance to salt corrosion (salt fog): IEC61701:2000  
Resistance to ammonia fumes: Ammonia Resistance Test

### 25 Year Linear Power Guarantee

- **Commercial**  
12 years on material and manufacturing defects
- **Performance**  
Power not less than 90% of power peak during the first 12 years  
Power not less than 80% of power peak during the subsequent 13 years.



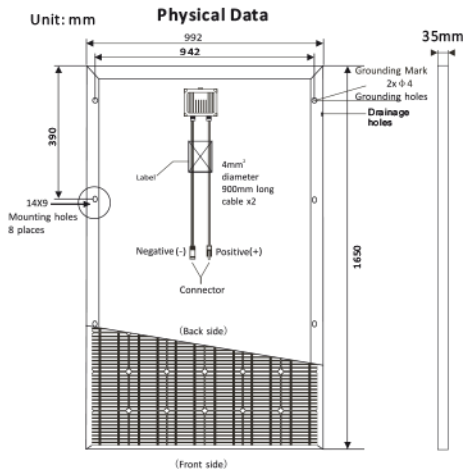
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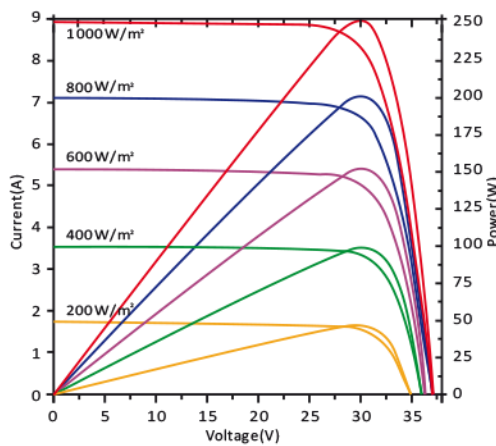
Qualified: IEC61215  
Qualified: IEC61730



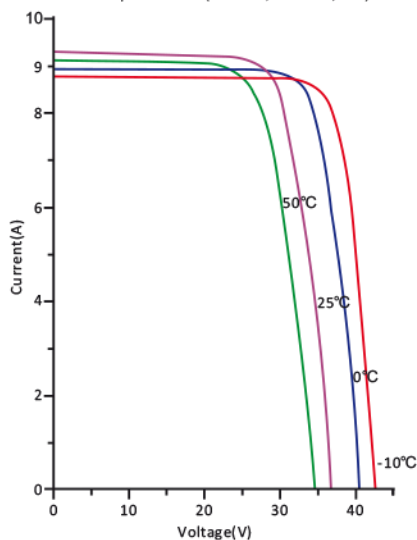


**RSM60-6-250M**

**Electrical characteristics at different irradiances (25°C)**



**I-V characteristics at different cell temperatures (AM1.5, 1000W/m<sup>2</sup>)**



**Electrical Characteristics at STC**

Type		RSM60-6-270M
Maximum Power	Pmax(W)	270W
Tolerance Value for Power	%	0~+3%
Maximum Power Voltage	Vmpp(V)	30.80
Maximum Power Current	Impp(A)	8.77
Open Circuit Voltage	Voc(V)	38.40
Short Circuit Current	Isc(A)	9.26
Module Efficiency	η	>16.50%

Performance at STC: Irradiance of 1000W/m<sup>2</sup>, Module temperature 77±3.6°F (25±2°C) AM 1.5

**Electrical Characteristics at NOCT**

Type		RSM60-6-270M
Maximum Power	Pmax(W)	200.88
Maximum Power Voltage	Vmpp(V)	27.71
Maximum Power Current	Impp(A)	7.25
Open Circuit Voltage	Voc(V)	33.79
Short Circuit Current	Isc(A)	7.90

Performance at NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

**Temperature Coefficients(Tc)**

NOCT(Nominal Operating Cell temperature)	45±2°C
Temperature Coefficient of VOC(β)	-0.33%/°C
Temperature Coefficient of ISC(α)	+0.03%/°C
Temperature Coefficient of Pmax	-0.41%/°C

**Permissible Operating Conditions**

Maximum System Voltage	1000 V
Operating Temperature Range	-40°C ~ +85°C
Maximum Surface Load Capacity	Test up to 5400Pa according to IEC61215 (Advanced test)
Resistance Against Hail	Maximum diameter of 1in.(25mm) impact speed of 51.5mph(23m/s)

**Mechanical specifications**

Cells	Monocrystalline cell, 6"(6x10)
Junction Box	IP67, combined with 3 by-pass diodes
Front Glass Thickness	3.2mm
Connecting Cable/Connector	MC4 compatible connector/4mm <sup>2</sup> diameter, 900mm length
Frame Dimension	1650x992x35mm
Weight	20.0KG

**Packing Features**

Frame Height	35mm
Qty/Pallet (PCS)	29
Qty/40HC container (PCS)	812