



**CHUBB
INSURANCE**

250W~270W [BLACK] 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

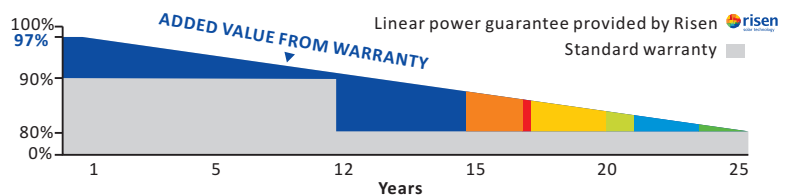
■ Commercial

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.



RISEN ENERGY CO., LTD.

Tashan Industry Zone Meilin, Ninghai

315609, Ningbo China

T +86 574 59953215

F +86 574 59953599

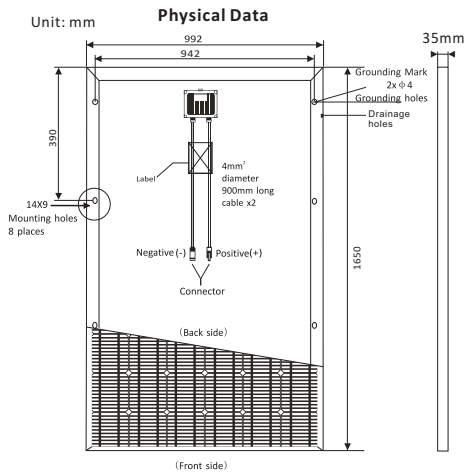
info@risenenergy.com

www.risenenergy.com



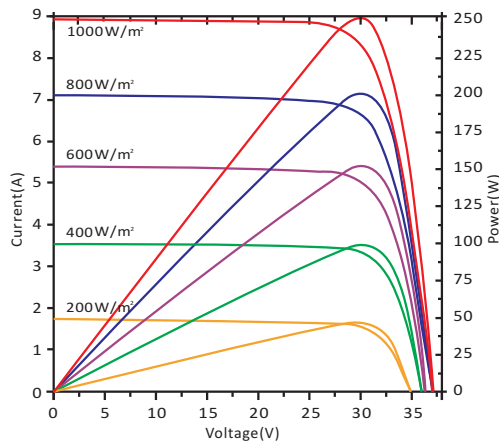
Qualified: IEC61215
Qualified: IEC61730



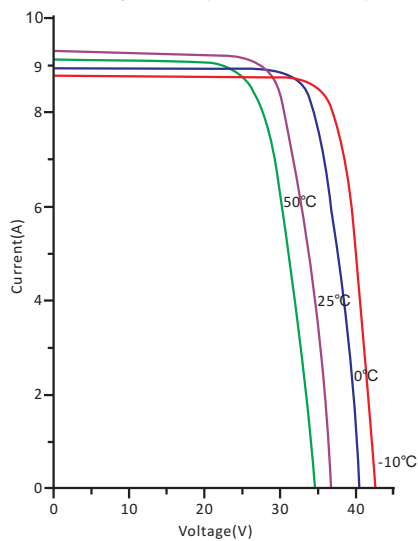


RSM60-6-250M

Electrical characteristics at different irradiances (25°C)



I-V characteristics at different cell temperatures (AM1.5, 1000W/m²)



Electrical Characteristics at STC

Type		RSM60-6-250M	RSM60-6-255M	RSM60-6-260M	RSM60-6-265M	RSM60-6-270M
Maximum Power	P _{max} (W)	250W	255W	260W	265W	270W
Tolerance Value for Power	%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Maximum Power Voltage	V _{mpp} (V)	30.30	30.40	30.60	30.70	30.80
Maximum Power Current	I _{mpp} (A)	8.26	8.39	8.50	8.63	8.77
Open Circuit Voltage	V _{oc} (V)	37.50	37.70	37.90	38.20	38.40
Short Circuit Current	I _{sc} (A)	8.90	9.05	9.12	9.14	9.26
Module Efficiency	η	>15.27%	>15.58%	>15.88%	>16.19%	>16.50%

Performance at STC: Irradiance of 1000W/m², Module temperature 77±3.6^oT (25±2^oC) AM 1.5

Electrical Characteristics at NOCT

Type		RSM60-6-250M	RSM60-6-255M	RSM60-6-260M	RSM60-6-265M	RSM60-6-270M
Maximum Power	P _{max} (W)	186.65	190.14	193.44	197.16	200.88
Maximum Power Voltage	V _{mpp} (V)	27.31	27.45	27.51	27.63	27.71
Maximum Power Current	I _{mpp} (A)	6.83	6.92	7.03	7.14	7.25
Open Circuit Voltage	V _{oc} (V)	33.30	33.48	33.51	33.70	33.79
Short Circuit Current	I _{sc} (A)	7.42	7.48	7.66	7.76	7.90

Performance at NOCT: Irradiance 800W/m², 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 P _{max}	-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 ² diameter, 900mm length
Frame Dimension	1650x992x35mm
Weight	20.0KG

Packing Features

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