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TIER NEW ENERGY FINANCE

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RANK



# 250W~270W [BLACK]

## POLYCRYSTALLINE MODULE 60x6"



**CHUBB  
INSURANCE**

### 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

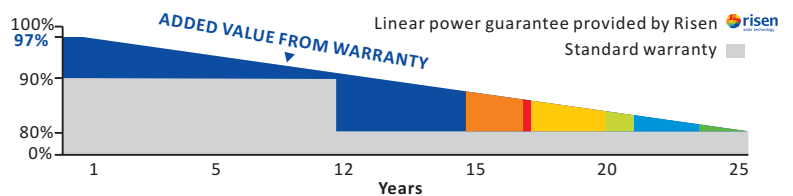
#### ■ Commercial

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

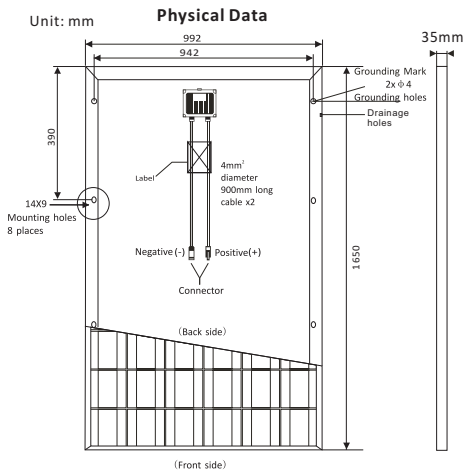
www.risenenergy.com



Qualified: IEC61215  
Qualified: IEC61730

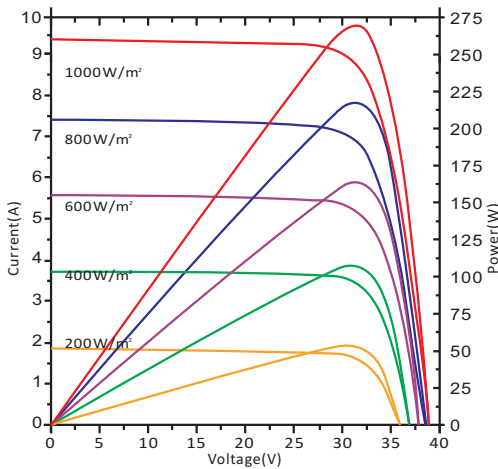


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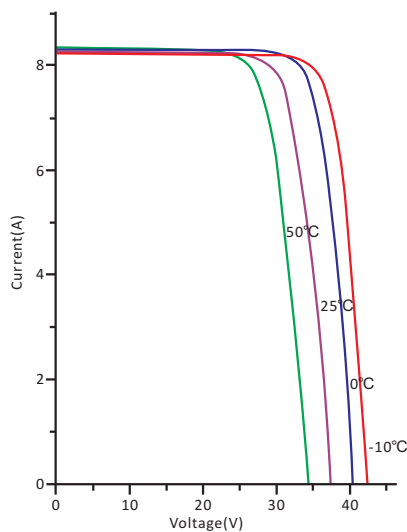


### RSM60-6-270P

#### 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		RSM60-6-250P	RSM60-6-255P	RSM60-6-260P	RSM60-6-265P	RSM60-6-270P
Maximum Power	P <sub>max</sub> (W)	250W	255W	260W	265W	270W
Tolerance Value for Power	%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Maximum Power Voltage	V <sub>mpp</sub> (V)	30.30	30.40	30.60	30.70	30.80
Maximum Power Current	I <sub>mpp</sub> (A)	8.26	8.39	8.50	8.63	8.77
Open Circuit Voltage	V <sub>oc</sub> (V)	37.50	37.70	37.90	38.20	38.40
Short Circuit Current	I <sub>sc</sub> (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/m<sup>2</sup>, Module temperature 77±3.6T<sup>1</sup>(25±2°C) AM 1.5

### Electrical Characteristics at NOCT

Type		RSM60-6-250P	RSM60-6-255P	RSM60-6-260P	RSM60-6-265P	RSM60-6-270P
Maximum Power	P <sub>max</sub> (W)	183.20	187.40	189.28	192.92	196.56
Maximum Power Voltage	V <sub>mpp</sub> (V)	27.50	27.60	27.80	27.90	28.00
Maximum Power Current	I <sub>mpp</sub> (A)	6.66	6.79	6.81	6.91	7.02
Open Circuit Voltage	V <sub>oc</sub> (V)	34.30	34.40	34.50	34.60	34.70
Short Circuit Current	I <sub>sc</sub> (A)	7.11	7.23	7.32	7.44	7.55

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)	+0.033%/°C
Temperature Coefficient of Pmax	-0.39%/°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	Polycrystalline cell, 6"(6x10), 3BB/4BB
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	20KG

### Packing Features

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