



**CHUBB
INSURANCE**



300W~310W

MONOCRYSTALLINE MODULE 72x6"

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

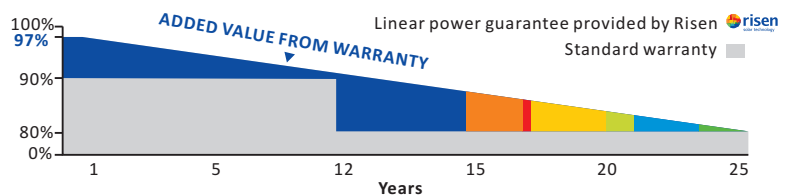
■ Commercial

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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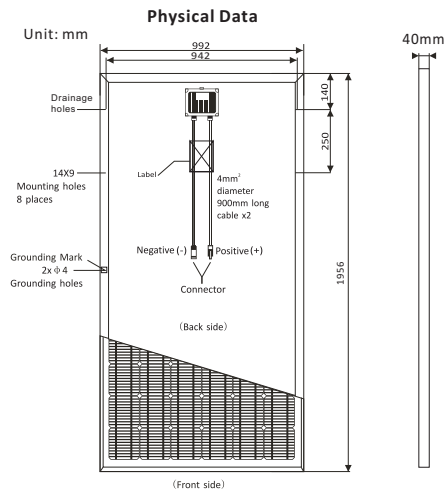
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Electrical Characteristics at STC

Type		RSM72-6-300M	RSM72-6-305M	RSM72-6-310M
Maximum Power	P _{max} (W)	300W	305W	310W
Tolerance Value for Power	%	0~+3%	0~+3%	0~+3%
Maximum Power Voltage	V _{mpp} (V)	35.80	35.90	36.00
Maximum Power Current	I _{mpp} (A)	8.37	8.50	8.61
Open Circuit Voltage	V _{oc} (V)	44.80	44.80	44.90
Short Circuit Current	I _{sc} (A)	8.73	8.84	8.91
Module Efficiency	η	>15.46%	>15.71%	>15.99%

Performance at STC: Irradiance of 1000W/m², Module temperature 77 \pm 3.6 $^{\circ}$ F (25 \pm 2 $^{\circ}$ C) AM 1.5

Electrical Characteristics at NOCT

Type		RSM72-6-300M	RSM72-6-305M	RSM72-6-310M
Maximum Power	P _{max} (W)	207.5	217.5	227.5
Maximum Power Voltage	V _{mpp} (V)	32.23	32.43	32.63
Maximum Power Current	I _{mpp} (A)	6.44	6.71	6.97
Open Circuit Voltage	V _{oc} (V)	40.5	40.5	40.5
Short Circuit Current	I _{sc} (A)	6.96	7.26	7.26

Performance at NOCT: Irradiance 800W/m², Ambient temperature 20 $^{\circ}$ C, Wind speed 1m/s

Temperature Coefficients(Tc)

NOCT(Nominal Operating Cell temperature)	45 \pm 2 $^{\circ}$ C
Temperature Coefficient of VOC(β)	-0.31%/ $^{\circ}$ C
Temperature Coefficient of ISC(α)	+0.03%/ $^{\circ}$ C
Temperature Coefficient of P _{max}	-0.40%/ $^{\circ}$ C

Permissible Operating Conditions

Maximum System Voltage	1000 V
Operating Temperature Range	-40 $^{\circ}$ C ~ +85 $^{\circ}$ 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)

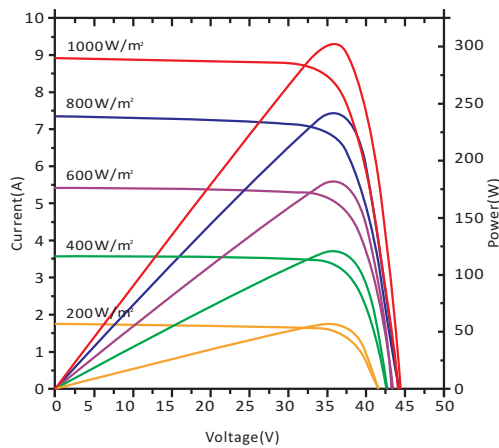
Mechanical specifications

Cells	Monocrystalline cell,6"(6x12)
Junction Box	IP67,combined with 3 by-pass diodes
Front Glass Thickness	4.0mm
Connecting Cable/Connector	MC4 compatible connector/4mm ϕ diameter, 900mm length
Frame Dimension	1956x992x40mm
Weight	25KG

Packing Features

Frame Height	40mm
Qty/Pallet (PCS)	25
Qty/40HC container (PCS)	600

RSM72-6-300M
Electrical characteristics at different irradiances (25 $^{\circ}$ C)



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

