

**CHUBB
INSURANCE**



300W~320W [BLACK] POLYCRYSTALLINE 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

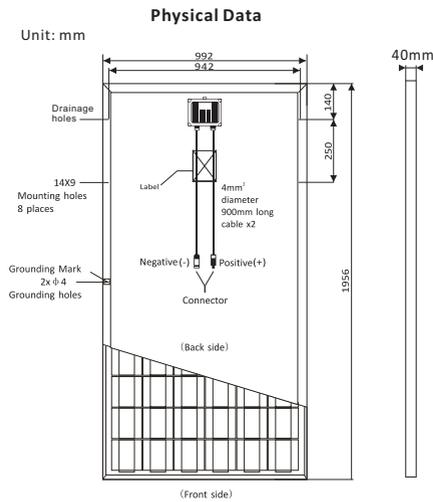
■ Performance

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.



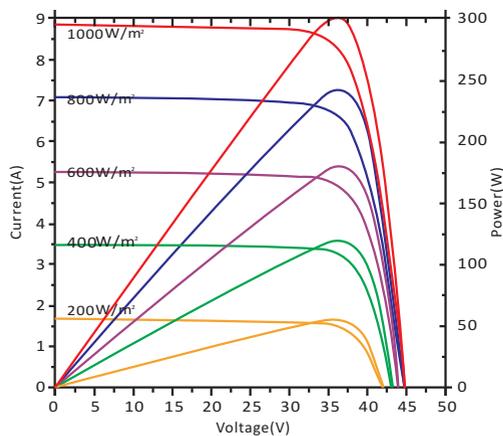
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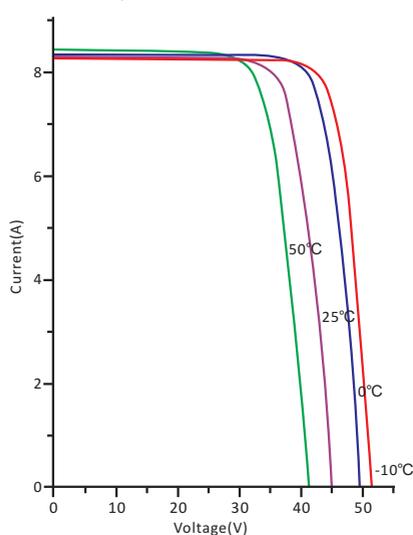


RSM72-6-300P

Electrical characteristics at different irradiances (25°C)



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



Electrical Characteristics at STC

Type		RSM72-6-300P	RSM72-6-305P	RSM72-6-310P	RSM72-6-315P	RSM72-6-320P
Maximum Power	P _{max} (W)	300W	305W	310W	315W	320W
Tolerance Value for Power	%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Maximum Power Voltage	V _{mpp} (V)	35.90	36.20	36.40	36.60	36.80
Maximum Power Current	I _{mpp} (A)	8.36	8.43	8.52	8.61	8.70
Open Circuit Voltage	V _{oc} (V)	44.90	44.92	44.94	44.96	45.02
Short Circuit Current	I _{sc} (A)	8.85	8.95	9.15	9.25	9.34
Module Efficiency	η	>15.46%	>15.72%	>15.98%	>16.24%	>16.49%

Performance at STC: Irradiance of 1000W/m², Module temperature 77±3.6[°]T (25±2[°]C) AM 1.5

Electrical Characteristics at NOCT

Type		RSM72-6-300P	RSM72-6-305P	RSM72-6-310P	RSM72-6-315P	RSM72-6-320P
Maximum Power	P _{max} (W)	220.70	224.13	227.85	231.25	235.91
Maximum Power Voltage	V _{mpp} (V)	32.65	32.96	33.13	33.32	33.51
Maximum Power Current	I _{mpp} (A)	6.73	6.80	6.87	6.94	7.01
Open Circuit Voltage	V _{oc} (V)	41.38	41.76	42.02	42.29	42.52
Short Circuit Current	I _{sc} (A)	7.42	7.48	7.55	7.68	7.71

Performance at NOCT: Irradiance 800W/m², Ambient temperature 20[°]C, Wind speed 1m/s

Temperature Coefficients(T_c)

NOCT(Nominal Operating Cell temperature)	45±2 [°] C
Temperature Coefficient of VOC(β)	-0.32%/°C
Temperature Coefficient of ISC(α)	+0.034%/°C
Temperature Coefficient of P _{max}	-0.40%/°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"(6x12), 3BB/4BB
Junction Box	IP67,combined with 3 by-pass diodes
Front Glass Thickness	4.0mm
Connecting Cable/Connector	MC4 compatible connector/4mm ² diameter, 900mm length
Frame Dimension	1956x992x40mm
Weight	25KG

Packing Features

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