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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Hefei Rosen Solar Energy Co., Ltd.**

**RS72M Series**

**RS340M-72**

Also available on the web at  
[EnergyPal.com/hefei-rosen-solar-energy-co-ltd-solar-panels/rs340m-72](http://EnergyPal.com/hefei-rosen-solar-energy-co-ltd-solar-panels/rs340m-72)

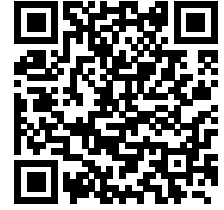


# Rosen Solar

To light up the world

Alibaba TOP 3 Suppliers  
Trade Assurance Supplier

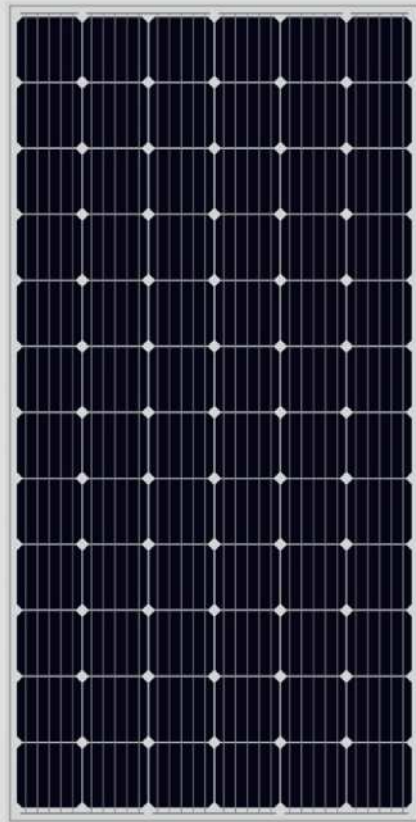
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## RS72M Series

Monocrystalline 72cells

Power Range: 340-380W



### Key Features



Monocrystalline modules designed for commercial and solar farm grid-tied applications



High power output and highest conversion efficiency



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



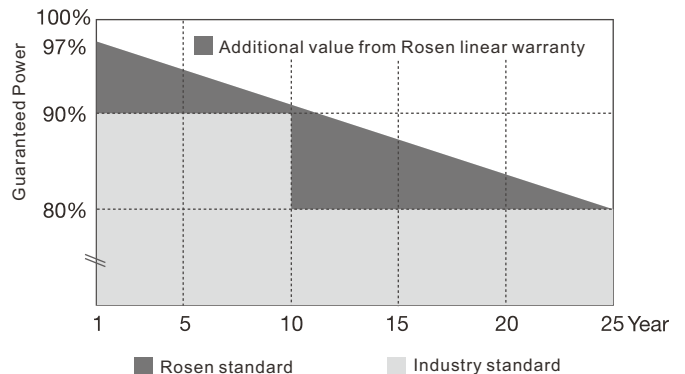
Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV NORD

### Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



### Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation(PID) Resistant

# RS72M Series

## Monocrystalline 72 cells

### Power Range: 340-380W

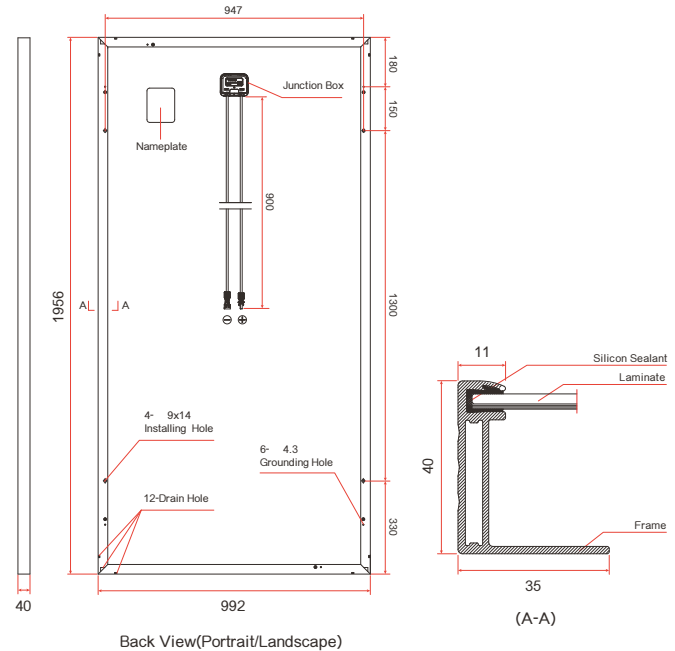
### Mechanical Data

Solar Cells	Mono 156*156mm, 5BB
Cell Orientation	72cells (6*12)
Module Dimensions	1956*992*40mm
Weight	22kg (Approx)
Glass	3.2mm, High Transmission, AR Coated Tempered Glass
J-Box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> , 900mm
Connector	MC4/UTX/TS4/QC4*

### Working Conditions

Maximum System Voltage	1000 V DC (IEC)
Operational Temperature	-40~ +85°C
Max Series Fuse Rating	20A
NOCT	44°C(±2°C)
Application Class	Class A
Packaging Conginguration	Modules per pallet:27 pieces Modules per 40' container: 720 pieces

### Dimensions of PV Module(mm)

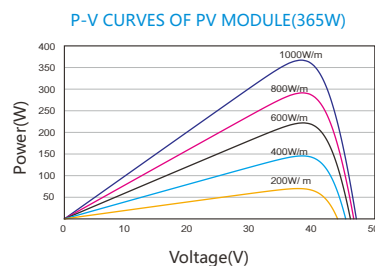
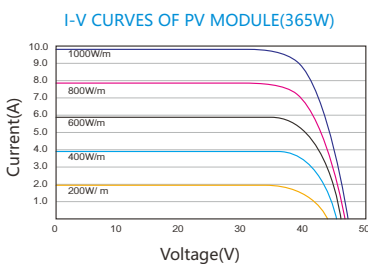


### Electrical Data(STC)

Module	RS340M-72	RS345M-72	RS350M-72	RS355M-72	RS360M-72	RS365M-72	RS370M-72	RS375M-72	RS380M-72
Peak Power Watts-Pmax(Wp)*	340	345	350	355	360	365	370	375	380
Maximum Power Voltage-Vmpp(V)	38.2	38.5	38.7	38.9	39.0	39.3	39.7	40.0	40.4
Maximum Power Current-Impp(A)	8.91	8.97	9.05	9.14	9.24	9.30	9.33	9.38	9.41
Open Circuit Voltage-Voc(V)	46.2	46.7	47.0	47.4	47.7	48.0	48.3	48.5	48.8
Short Circuit Current-Isc(A)	9.5	9.55	9.60	9.65	9.70	9.77	9.83	9.88	9.93
Module Efficiency (%)	17.5	17.7	18.0	18.3	18.5	18.8	19.0	19.3	19.5
Power Output Tolerance-Pmax(W)	0 ~+5								
Temperature Coefficient of Pmax	-0.39%/°C								
Temperature Coefficient of Voc	-0.29%/°C								
Temperature Coefficient of Isc	0.05%/°C								

STC Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

### I-V Curve



### Appearance Color

Back sheet	White
Frame	Sliver Anodized Aluminium Alloy