

# RS-72 Series

Framed 72 Layout Poly Module  
PERC Polycrystalline: 330-360W



**72LAYOUT**  
POLYCRYSTALLINE MODULE

**330-360W**  
POWER OUTPUT RANGE

**18.6%**  
MAXIMUM EFFICIENCY

**0~+5W**  
POSITIVE POWER TOLERANCE

PRODUCTS  
RS-72(cells)

POWER RANGE  
330-360W



## Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter



## Highly reliable due to stringent quality control

- All modules have to pass electroluminescence (EL) inspection
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant



## Certified to withstand challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h
- Ammonia resistance
- Salt mist resistance
- Resistance to sand and dust abrasion



## Easy to install

- Frame design makes module compatible with all racking and installation methods
- Easy to handle and install as normal framed module during transportation

Rosen Solar, is one of the world's top ranking manufacturer and installer of solar modules for more than 10years. Facing the increasingly serious situation of world Global warming, we are undertaking more duty and responsibility to provide more reliable and sustainable energy to protect not only human beings but also the Mother Earth. And with modules and systems delivered to more than 150 countries, Rosen is committed to building long term strategy and mutual collaboration with all installers, distributors and partners in energy protection.

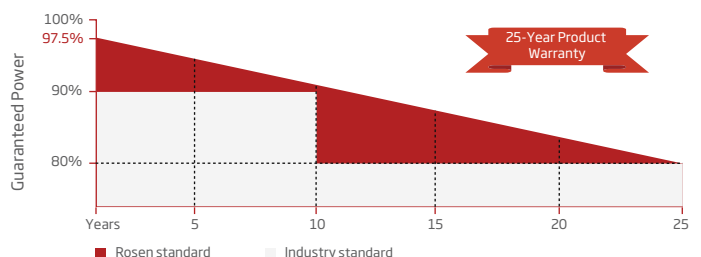
## Comprehensive Products and System Certificates

IEC61215/IEC61730/IEC61701/IEC62716  
ISO 9001: Quality Management System  
ISO 14001: Environmental Management System  
ISO 14064: Greenhouse Gas Emissions Verification  
OHSAS 18001: Occupation Health and Safety Management System

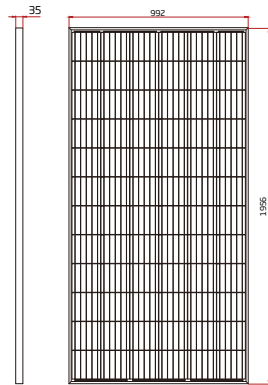


## PERFORMANCE WARRANTY

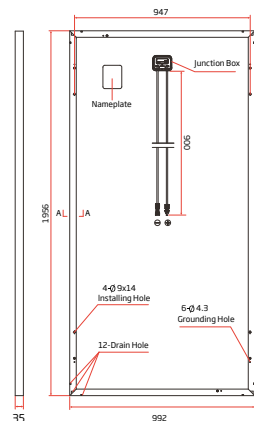
10 Year Product Warranty · 25 Year Power Warranty



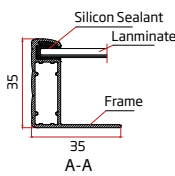
### DIMENSIONS OF PV MODULE(mm)



Front View

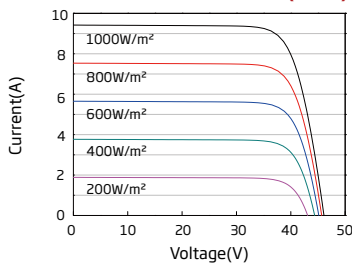


Back View

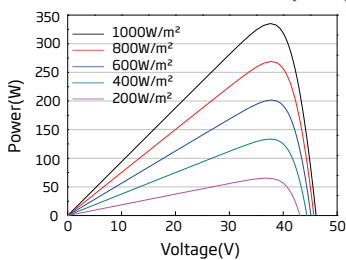


A-A

### I-V CURVES OF PV MODULE(335W)



### P-V CURVES OF PV MODULE(335W)



### ELECTRICAL DATA(STC)

Parameter	330	335	340	345	350	355	360
Peak Power Watts- $P_{MAX}(Wp)^*$	330	335	340	345	350	355	360
Power Output Tolerance- $P_{MAX}(W)$	0~+5						
Maximum Power Voltage- $V_{MPP}(V)$	37.18	37.45	37.74	38.04	38.34	38.64	38.93
Maximum Power Current- $I_{MPP}(A)$	8.88	8.95	9.01	9.07	9.13	9.19	9.25
Open Circuit Voltage- $V_{oc}(V)$	45.83	46.10	46.39	46.68	46.97	47.26	47.55
Short Circuit Current- $I_{sc}(A)$	9.35	9.42	9.48	9.55	9.62	9.69	9.76
Module Efficiency (%)	17.0	17.3	17.5	17.8	18.0	18.3	18.6

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

\*Measuring tolerance: ±3%.

### ELECTRICAL PARAMETERS AT NOCT

Parameter	244	248	252	256	260	264	268
Maximum Power- $P_{MAX}(Wp)$	244	248	252	256	260	264	268
Maximum Power Voltage- $V_{MPP}(V)$	35.38	35.59	35.81	36.03	36.25	36.47	36.69
Maximum Power Current- $I_{MPP}(A)$	6.90	6.97	7.04	7.11	7.18	7.25	7.32
Open Circuit Voltage- $V_{oc}(V)$	43.57	43.77	43.96	44.16	44.36	44.56	44.76
Short Circuit Current- $I_{sc}(A)$	7.40	7.47	7.55	7.62	7.69	7.76	7.83

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20 °C, Wind Speed 1 m/s.

### MECHANICAL DATA

Solar Cells	Polycrystalline, PERC
Cell Orientation	72cells(6*12)
Module Dimensions	1956*992*35mm
Weight	22kg (Approx)
Glass	3.2mm, High Transparency, AR Coated and Heat Tempered Solar Glass
Encapsulant Material	EVA/POE
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 rated or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> , 900mm
Connector	MC4 Compatible /MC4 EVO2/TS4*

\*Please refer to regional datasheet for specified connector.

### TEMPERATURE RATINGS

NOCT (Nominal operating cell temperature)	45 °C ± 2
Temperature Coefficient of $P_{MAX}$	-0.400%/ °C
Temperature Coefficient of $V_{oc}$	-0.330%/ °C
Temperature Coefficient of $I_{sc}$	0.058%/ °C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

### MAXIMUM RATINGS

Operational Temperature	-40~+85 °C
Maximum System Voltage	1000V/1500V DC (IEC)
Max Series Fuse Rating	20A

### WARRANTY

10 year Product Workmanship Warranty

25 year Power Warranty

(Please refer to product warranty for details)

### PACKAGING CONFIGURATION

Modules per pallet: 27 pieces

Modules per 40HQ container: 720 pieces