



RS-72 Series

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



72LAYOUT
POLYCRYSTALLINE MODULE

330-360W
POWER OUTPUT RANGE

18.2%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

Rosen Solar, is one of the world's top ranking manufacturer and installer of solar modules for more than 10 years. 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/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



ISO 9001
Certified
Quality Management System



IEC 61215
IEC 61730
Regular PPProduction
Surveillance



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 electroilluminescence(EL) inpection
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes wall bey and certification requirements
- PID resistant



Certified to withstand challenging environmental conditions

- 2400 Pawindioad
- 5400 Pasnow load
- 35 mm hall stones at 97 km/h
- Ammonia resistance
- Sait mist resistance
- Resistance to sand and dust abrasion



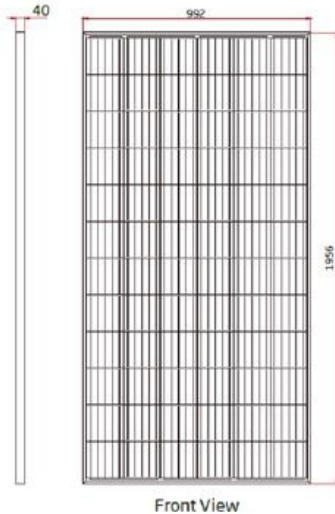
Easy to install

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

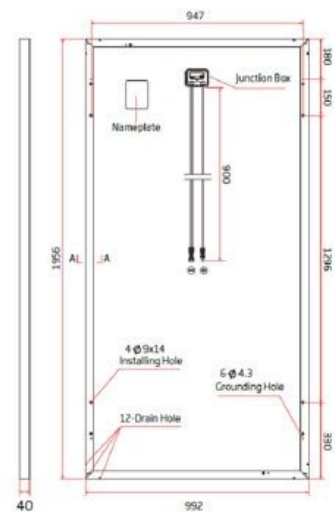


RS-72 Series

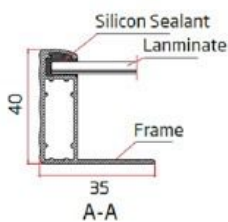
72 CELLS MODULE



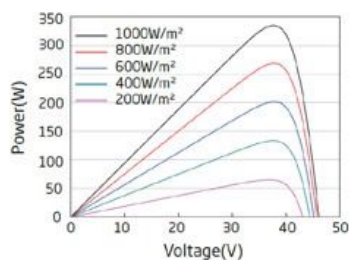
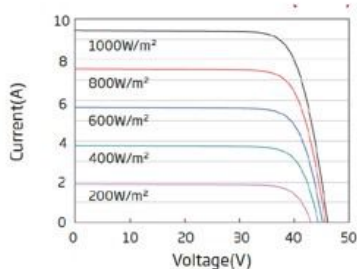
Front View



Back View



A-A



ELECTRICAL DATA(STC)

Peak Power Watts-Pmax(Wp)*	330	335	340	345	350	355	360
Power Output Tolerance-Pmax(W)	0~+5						
Maximum Power Voltage-VMPP(V)	37.18	37.45	37.74	38.04	38.34	38.64	38.93
Maximum Power Current-IMPP(A)	8.88	8.95	9.01	9.07	9.13	9.19	9.25
Open Circuit Voltage-Voc(V)	45.83	46.10	46.39	46.68	46.97	47.26	47.55
Short Circuit Current-Isc(A)	9.35	9.42	9.48	9.55	9.62	9.69	9.76
Module Efficiency (%)	16.7	17.0	17.2	17.5	17.7	18.0	18.2

STC: Irradiance 1000W/m², Cell Temperature 25C, Air Mass AM1.5

*Measuring tolerance: ±3%

ELECTRICAL PARAMETERS AT NOCT

Maximum Power-PMAX(Wp)	244	248	252	256	260	264	268
Maximum Power Voltage-VMPP(V)	35.38	35.59	35.81	36.03	36.25	36.47	36.69
Maximum Power Current-IMPP(A)	6.90	6.97	7.04	7.11	7.18	7.25	7.32
Open Circuit Voltage-Voc(V)	43.57	43.77	43.96	44.16	44.36	44.56	44.76
Short Circuit Current-Isc(A)	7.40	7.47	7.55	7.62	7.69	7.76	7.83

NOCT : Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells	Poly crystalline, PERC
Cell Orientation	72cells(6*12)
Module Dimensions	1956*992*40mm
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 , 900mm
Connector	MC4 Compatible/MC4 EVO02/TS4*

*Please refer to regional datasheet for specified connector.

ELECTRICAL PARAMETERS AT NOCT

NOCT (Nominal Operating cell temperature)	45°C±2
Temperature Coefficient of Pmax	-0.400%/°C
Temperature Coefficient of Voc	-0.330%/°C
Temperature Coefficient of Isc	0.058%/°C

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

ELECTRICAL PARAMETERS AT NOCT

10 year Product Workmanship Warranty
25 year Power Warranty

(Please refer to product warranty for details)

ELECTRICAL PARAMETERS AT NOCT

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

ELECTRICAL PARAMETERS AT NOCT

Modules per Pallet : 31 pieces
Modules per 40HQ Container : 720 pieces