

260-310Watt

MONO-CRYSTALLINE SOLAR PANEL

Features

- High conversion efficiency based on innovative photovoltaic technologies
- High reliability with guaranteed +3% power output tolerance
- Withstands high wind-pressure and snow load, and extreme temperature variations
- Sturdy, clear-anodized aluminum frame with pre-drilled holes for quick installation
- Advanced EVA encapsulation with triple-layer back sheet, meets the most stringent safety requirements for high-voltage operation
- Pre-wired junction box equipped with connectors
- Reliable bypass diodes to prevent overheating (hot spot effect) and to minimise power loss by shading.
- Manufactured in ISO 9001:2000-certified Factory

Applications

On-grid applications	Street and camp lights	Microwave/radio repeater stations
Off-grid applications	Traffic signals	Battery charging
Solar home systems	Medical facilities in	Water pumping
Remote village lighting	Remote areas	Water purification systems

MONO CRYSTALLINE MODULE

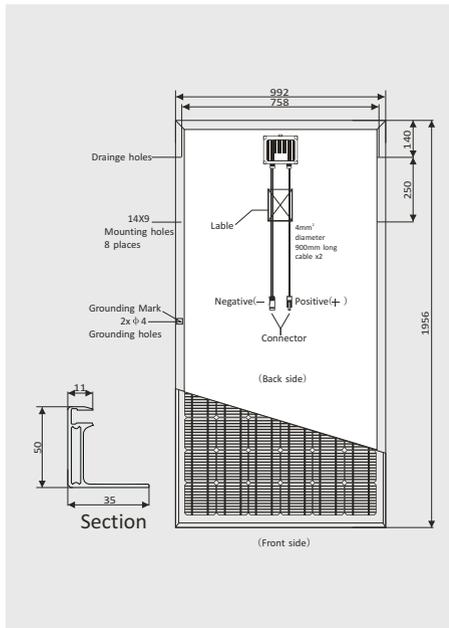
72x6" / 260-310W

Model	Pm(Wp)	Tolerance	Vm(V)	Im(A)	Voc(V)	Isc(A)	η
SYP260M	260W	+3%	34.80	7.47	44.00	8.09	>13.44%
SYP270M	270W	+3%	35.00	7.71	44.50	8.20	>13.96%
SYP280M	280W	+3%	35.20	7.95	44.80	8.33	>14.47%
SYP290M	290W	+3%	35.4	8.19	44.8	8.63	>14.94%
SYP300M	300W	+3%	35.8	8.37	44.8	8.93	>15.46%
SYP310M	310W	+3%	36	8.61	44.8	9.22	>15.97%



Qualified, IEC61215
Qualified, IEC61730

Data sheet tested by BERGER module simulator at STC, STC: AM 1.5, 1000W/m², 25 °C

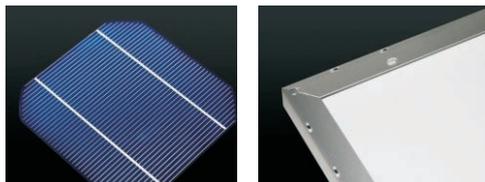


Specifications

- Number of mono crystalline solar cell 72pcsx6"
- Aluminum frame, dimension 1956x992x50mm
- Maximum system voltage 1000VDC
- Weight 21kg
- Voltage temperature coefficient Voc = -0.37%/°C
- Current temperature coefficient Isc = +0.02%/°C
- Power temperature coefficient Pm = -0.50%/°C
- Bypass diodes to reduce loss in partial shadow
- IP65
- Performance test data for each module
- Positive power tolerance up to +3%

25year Quality Guarantee

- 5 years with 100% product guarantee
- 12 years 90% rated power output
- 25 years 80% rated power output



1. Risen's technology yields improvements to BSF structure and anti-reflective coating to increase conversion efficiency.
2. Unique design on drainage holes and rigid construction prevents frame from deforming or breaking due to freezing weather and other forces.

