



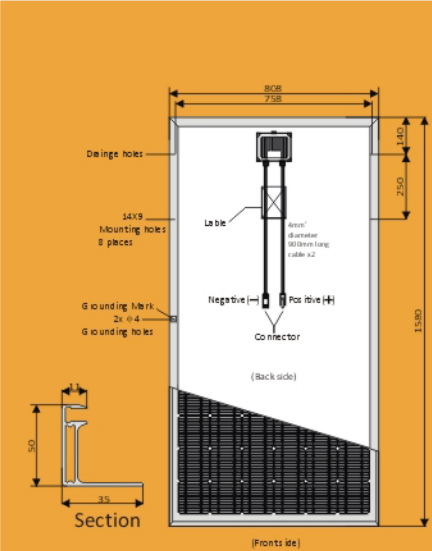
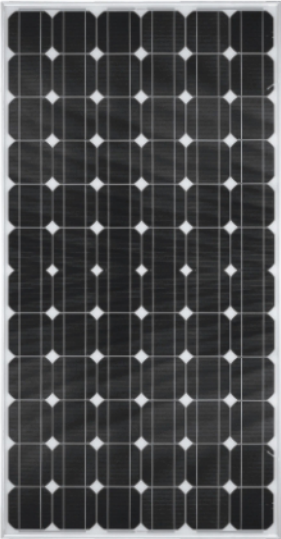
Qualified, IEC61215
Qualified, IEC61730

MONO CRYSTALLINE MODULE (strong)

72x5" /150-180W

Model	Pm(Wp)	Tolerance	Vm(V)	Im(A)	Voc(V)	Isc(A)	η
150S-50M	150W	-0 - +3%	34.80	4.31	43.40	4.88	>11.67%
155S-50M	155W	-0 - +3%	35.40	4.38	43.50	4.90	>12.06%
160S-50M	160W	-0 - +3%	35.60	4.50	43.50	5.00	>12.45%
165S-50M	165W	-0 - +3%	35.80	4.61	44.00	5.10	>12.84%
170S-50M	170W	-0 - +3%	35.90	4.74	44.50	5.12	>13.23%
175S-50M	175W	-0 - +3%	36.00	4.86	44.80	5.17	>13.62%
180S-50M	180W	-0 - +3%	36.70	4.91	45.00	5.32	>14.01%

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



Specifications

- Number of mono crystalline solar cell 72pcsx5"
- Aluminum frame, dimension 1580x808x50mm
- Maximum system voltage 1000VDC
- Weight 16.5kg
- Voltage temperature coefficient $V_{oc} = -0.37\%/^{\circ}\text{C}$
- Current temperature coefficient $I_{sc} = +0.02\%/^{\circ}\text{C}$
- Power temperature coefficient $P_m = -0.50\%/^{\circ}\text{C}$
- Bypass diodes to reduce loss in partial shadow
- MC4 plug system
- IP65
- TUV/IEC61215, IEC61730 certificate
- 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. technology yields improvements to BSF s 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.

150-180 Watt

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 backsheet, 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.
- Mechanical load: 5400Pa
- 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

