

Solar Module SG-2000 Series

High-quality crystalline solar panels ensure maximum energy yield. Every module type is designed, from frame to connection box, for cost-effective system integration.

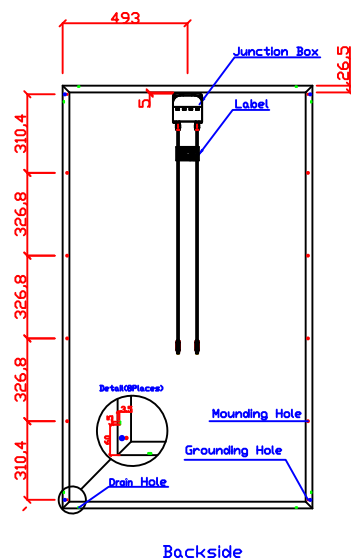
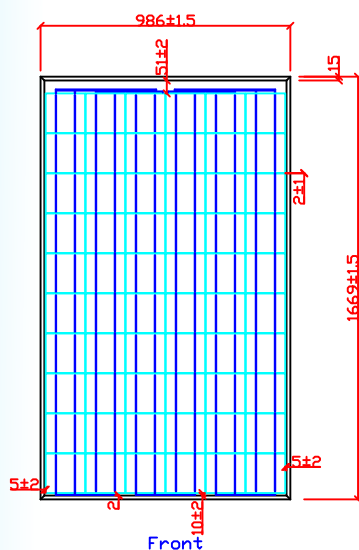
Features

- High-power module using 156mm polycrystalline silicon solar cells with high module conversion efficiency
- Each module is individually tested to ensure that field performance meets the specifications
- Waterproof and low maintenance junction box with 4-6 terminal connection block and cable of 4mm² in cross section and at least 90cm in length
- 3 pcs of 11A, 10V bypass diodes minimize the power drop caused by shade
- High-transmission tempered glass, encapsulation with EVA resin, and a weatherproof backsheet, plus clear anodized aluminum frame for extended outdoor use

Certifications



Module Diagram



■ Electrical Data

Model	SG-2200	SG-2250	SG-2300	SG-2350
Power Rating (Pmp)	220W	225W	230W	235W
Maximum Current (Imp)	7.76A	7.81A	7.91A	7.93A
Maximum Voltage (Vmp)	28.36V	28.80V	29.08V	29.64V
Short-circuit Current (Isc)	8.38A	8.41A	8.47A	8.49A
Open-circuit Voltage (Voc)	36.96V	37.02V	37.55V	37.58V
Power Tolerance	0 ~ +3%			
Maximum System Voltage	1000 VDC			
Normal Operating Cell Temperature	44 ± 2°C			
Series Fuse Rating (A)	15A			
Temperature Range	-40°C to 85°C			
Damp Heat	85%RH			
Heavy Loading	5400 pascals			
Hail Impact	25mm stainless ball at 23m.s			
Temperature Coefficient	Pmp : -0.460 %/°C Isc : 0.065 %/°C Voc : -0.346 %/°C			

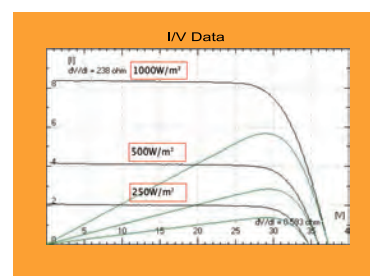
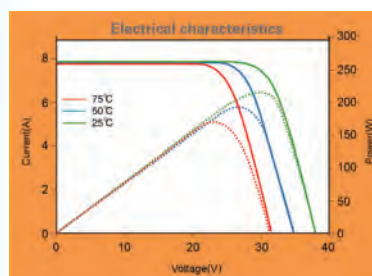
■ Mechanical Characteristics

Dimensions	(L)1669mm x (W)986mm x (D)40mm
Weight	18.5kg
Solar Cells	60pcs (156mm x 156mm) in 6x10 matrix connected

■ Module Warranty

5-year guarantee for workmanship
10-year guarantee of max. 10% loss of power
25-year guarantee of max. 20% loss of power

■ Qualification Test Parameters



At STC (Standard Test Conditions). 1000W/m², 25°C cell temperature, AM1.5 spectrum

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