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# 150 W Maximum Power

## High Efficiency Poly-crystalline Solar Module

### BENEFITS

- High and stable conversion efficiency based on over 12 years professional experience.
- High reliability with guaranteed 0-+3% output power tolerance
- Proven materials, tempered front glass, and a sturdy anodized aluminum frame allow modules to operate reliably in multiple mounting configurations.
- Combination of high efficiency and attractive appearance.

### QUALITY AND SAFETY

- 25-year output power warranty
- ISO9001: 2008 (Quality Management System) certified factory
- IEC 61215, Safety tested IEC 61730, CE
- Product Liability Insurance guarantee end users' benefit
- Hail impact: 277 g steel ball falling from 1 m height, 60 m/s wind speed increased snow load according to IEC 61215: up to 5400 N/m<sup>2</sup> wind load and suction according to IEC 61215: up to 2400 N/m<sup>2</sup>

### WARRANTY AND CERTIFICATIONS

Warranty	10 years workmanship 12 years 90% of the nominal power warranty 25 years 80% of the nominal power warranty
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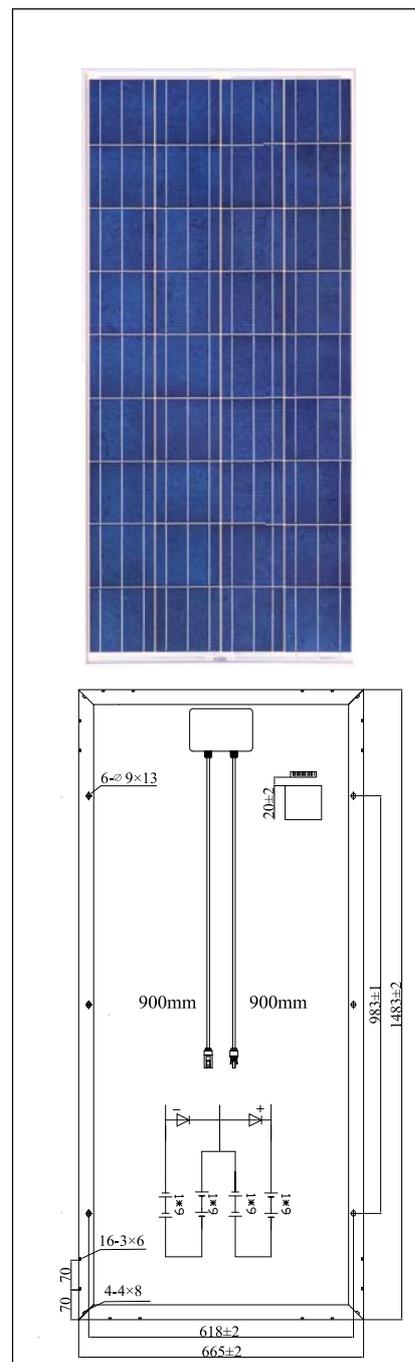
Certifications	IEC 61215, Safety tested IEC 61730 part 2, CE
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### TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage temperature coefficient (Voc)	-0.35%/°C
Current temperature coefficient (Isc)	+0.055%/°C
Power temperature coefficient (Pmpp)	-0.45%/°C
Minimum power tolerance	0-+ 3%

NOCT: Nominal Operating cell Temperature: -40°C to +85°C



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**TECHNICAL DATA**

Solar cell	36 poly-crystalline 156 × 156 mm
Front glass	3.2 mm tempered glass
Junction box	IP65 rated
Bypass-diodes	2 pieces
Output cables	900 mm length cable, compliable with MC IV connectors
Frame	anodized aluminium
Weight	12kg
Dimensions	1483 × 665 × 35 mm

**ELECTRICAL DATA**

Module Type	SL150-12
Nominal peak power (Wp)	150W
Nominal voltage (Vmp)	17.2V
Nominal current (Imp)	8.72A
Open circuit voltage (Voc)	21.6V
Short circuit current (Isc)	9.25A
Solar efficiency	15.2%
Operating Temperatre	-40~+85°C
Maximum System Voltage	1000V DC
STC:1000W/m <sup>2</sup> , 25°C, AM=1.5	
Maximum power (P <sub>max</sub> )	108W
Nominal voltage (V <sub>mpp</sub> )	17.2V
Nominal current (I <sub>mpp</sub> )	6.28A
Open circuit voltage (V <sub>oc</sub> )	20.6V
Short circuit current (I <sub>sc</sub> )	6.96A

 NOCT: Irradiation: 800 W/m<sup>2</sup>, module temperature: 45 °C, air mass: 1.5

 Performance under weak light conditions (200 W/m<sup>2</sup>) EN60904-1, 95.3 % or higher of the STC efficiency (1000 W/m<sup>2</sup>) is achieved

**PACKING CONFIGURATION**

Container	20' GP	40' GP
Pieces per pallet	30	30
Pallets per container	14	30
Pieces per container	420	900

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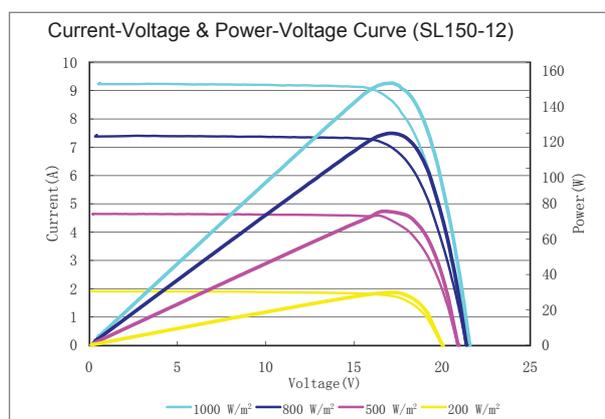
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CAUTION: Read safety and installation. instructions before using the product.

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