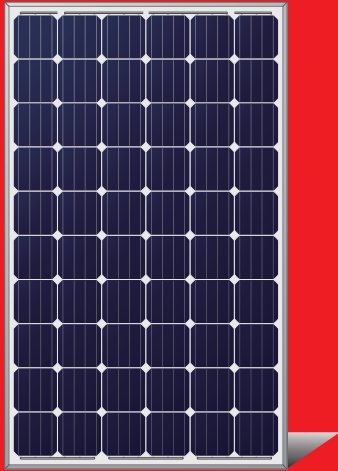


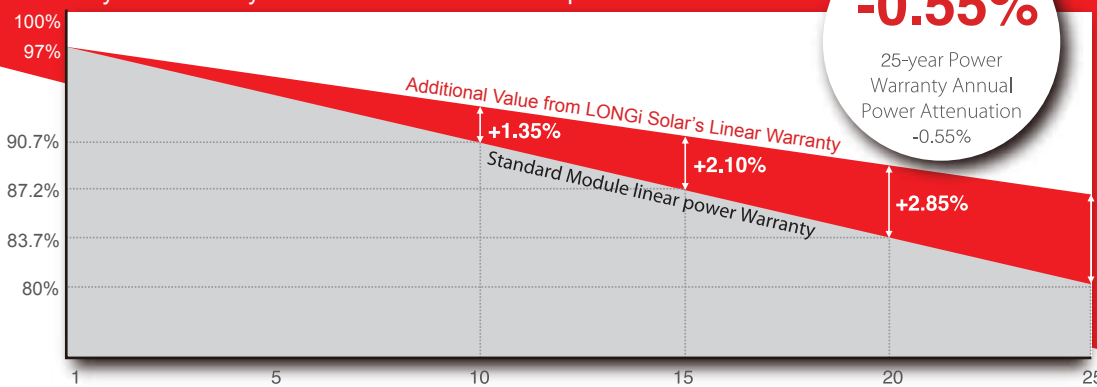
# LR6-60 285~290W



## High Reliability, Production Efficiency and High Power Output

LONGi Solar mono solar cell modules have higher reliability. The highest power output can be 295W. They have excellent performance even under the low-temperature or low-light environment. We promise to provide high-efficiency, high power output Mono-crystalline silicon products, thus guarantee the return on investment.

10-year Warranty for Materials and Processing;  
25-year Warranty for Extra Linear Power Output



### Complete System and Product Certifications

IEC 61215, IEC 61730, UL 1703, CQC, CE

ISO 9001: 2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

OHSAS 18001: 2007 Occupational Health and Safety



\*Specifications subject to technical changes and tests. LONGi Solar reserves the right of final interpretation.

### Positive Power Tolerance

0~+5W positive tolerance of maximal power guaranteed.

### High Conversion Efficiency

The highest efficiency up to 18.0%.

### Excellent Performance in Low irradiance

Outstanding power output in low irradiance conditions, such as dawn, dusk and cloudy days.

### Anti-PID

Anti-PID techniques of processing solar cells and encapsulating modules applied; adaptable for the installation in hot and highly humid areas.

### Adaptability to the Harsh Environments

Excellent anti salt mist and anti-ammonia capability and is adaptable to the harsh environments, such as seaside and farms.

### Super Robust Frame, 40mm Thickness

Good pressure resistance and able to bear 2400Pa wind load and 5400Pa snow load.

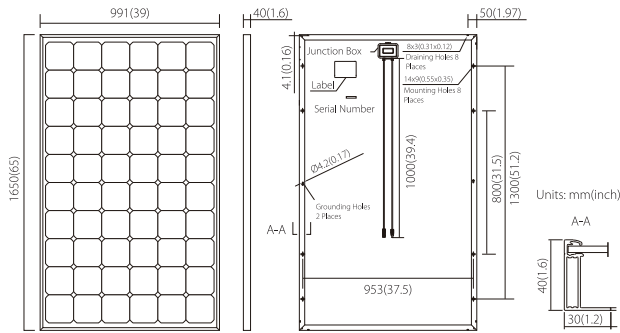
# LONGi Solar

Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong New District, Shanghai, 201203  
Tel: 86-21-61047332 Fax: 86-21-61047377 Email: module@longi-silicon.com

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting and binding part of lawful documentation duly signed by both parties.

# LR6-60 275~295W

## Mechanical Detail (mm)



## Mechanical Parameters

Number of Cells: 60 (6×10)  
 Junction Box: IP67, three diodes  
 Output Cable: 4mm<sup>2</sup>, 1000mm in length  
 Connector: MC4 or compatible with MC4  
 Weight: 18.2kg  
 Dimension: 1650×991×40mm  
 Packaging: 26pcs per pallet

## Operating Parameters

Operating Temperature: -40°C~+85°C  
 Power Tolerance: 0~+5W  
 Maximum System Voltage(V): DC1000V (IEC)  
 Maximum Series Fuse Rating: 15A  
 NOCT: 45°C±2°C  
 Application Class: Class A

## Electrical Characteristics

Type	LR6-60-275M		LR6-60-280M		LR6-60-285M		LR6-60-290M		LR6-60-295M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition										
Maximum Power (Pmax/W)	275	202.1	280	205.8	285	209.5	290	213.2	295	216.8
Open Circuit Voltage (Voc/V)	38.3	35.4	38.5	35.6	38.6	35.7	38.8	35.9	38.9	36.0
Short Circuit Current (Isc/A)	9.32	7.51	9.45	7.61	9.59	7.73	9.71	7.82	9.85	7.94
Voltage at Maximum Power (Vmp/V)	31.3	28.7	31.4	28.8	31.5	28.9	31.7	29.1	31.8	29.2
Current at Maximum Power (Imp/A)	8.79	7.03	8.92	7.14	9.05	7.24	9.15	7.32	9.28	7.42
Module Efficiency (%)	16.8	/	17.1	/	17.4	/	17.7	/	18.0	/

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

## Temp. Coefficient (STC Testing)

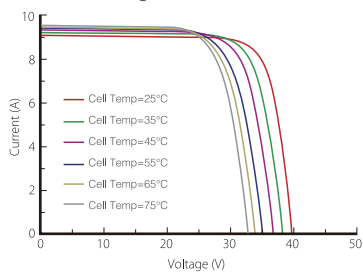
Temperature Coefficient of Isc: +0.059%/°C  
 Temperature Coefficient of Voc: -0.330%/°C  
 Temperature Coefficient of Pmax: -0.410%/°C

## Load

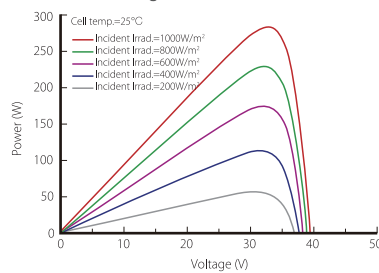
Maximum Front Static Load ( Snow): 5400pa  
 Maximum Rear Static Load (Wind): 2400pa  
 Pass the Hailstone Test: 25mm Hailstone at the speed of 23m/s

## I-V Curve

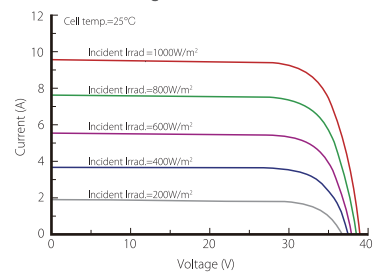
Current-Voltage Curve (LR6-60-285M)



Power-Voltage Curve (LR6-60-285M)



Current-Voltage Curve (LR6-60-285M)



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