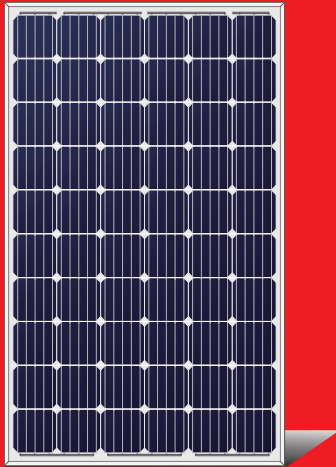
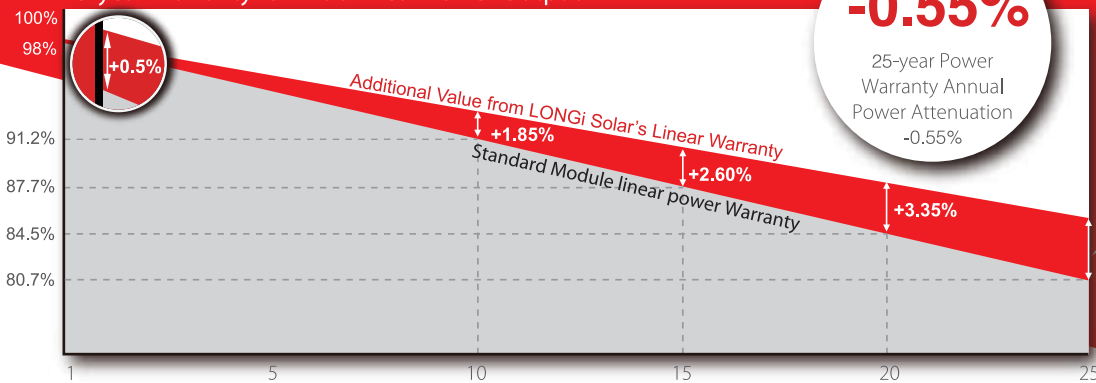


# LR6-60PE 290~315M



**Hi-MO1 High Efficiency  
Low LID Mono PERC Technology**

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



**-0.55%**

25-year Power  
Warranty Annual  
Power Attenuation  
-0.55%

**+4.10%**

## Complete System and Product Certifications

IEC 61215, IEC61730, UL1703  
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 interpretation.

**Positive power tolerance** (0 ~ +5W) guaranteed

**High module conversion efficiency** (up to 19.0%)

**Slower power degradation** enabled by Low LID Mono PERC technology: first year <2%, 0.55% year 2-25

**Better energy yield** with excellent low irradiance performance and temperature coefficient

**Robust frame** (40mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side

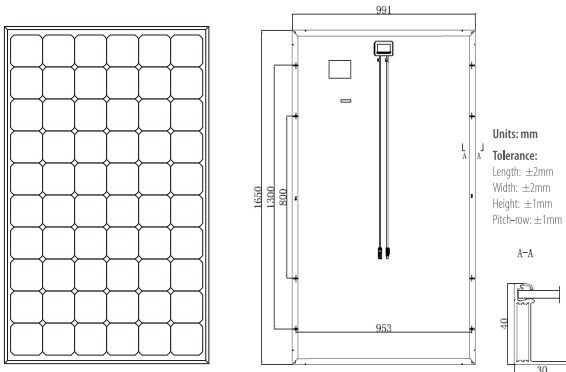
# LONGi Solar

LONGi Green Energy Technology Co.,Ltd  
Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong District, Shanghai, 201203  
Tel: + 86-21-61047332 Fax: +86-21-61047377 E-mail: module@longi-silicon.com  
Facebook: www.facebook.com/LONGi Solar

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.

# LR6-60PE 290~315M

## Design (mm)



## Mechanical Parameters

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

## Operating Parameters

Operational Temperature: -40 C ~ +85 C  
Power Output Tolerance: 0 ~ +5 W  
Maximum System Voltage: DC1000V (IEC)  
Maximum Series Fuse Rating: 20A  
Nominal Operating Cell Temperature: 45±2 C  
Application Class: Class A

## Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-60PE-290M		LR6-60PE-295M		LR6-60PE-300M		LR6-60PE-305M		LR6-60PE-310M		LR6-60PE-315M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	290	213.2	295	216.8	300	220.5	305	224.2	310	227.9	315	233.4
Open Circuit Voltage (Voc/V)	39.3	36.7	39.7	36.9	39.9	37.1	40.2	37.2	40.5	37.3	40.8	37.8
Short Circuit Current (Isc/A)	9.87	7.72	9.92	7.81	9.96	7.91	9.99	8.01	10.02	8.04	10.05	8.14
Voltage at Maximum Power (Vmp/V)	31.7	29.7	32	29.9	32.3	30.1	32.7	30.3	33.1	30.5	33.5	30.9
Current at Maximum Power (Imp/A)	9.14	7.18	9.21	7.24	9.28	7.32	9.33	7.39	9.36	7.48	9.41	7.56
Module Efficiency(%)	17.7		18.0		18.3		18.7		19.0		19.3	

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

## Temperature Ratings ( STC )

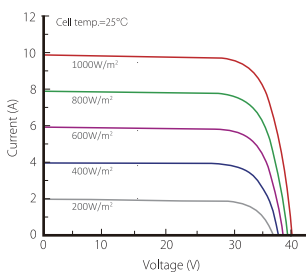
Temperature Coefficient of Isc	+0.057%/C
Temperature Coefficient of Voc	-0.286%/C
Temperature Coefficient of Pmax	-0.370%/C

## Mechanical Loading

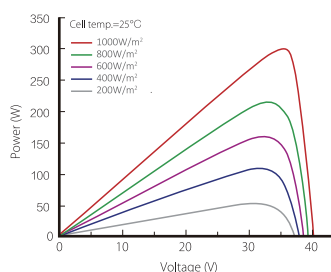
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## I-V Curve

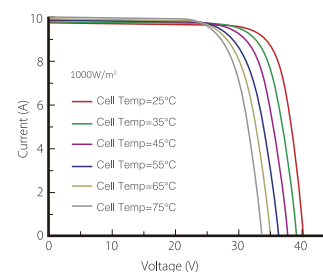
Current-Voltage Curve (LR6-60PE-300M)



Power-Voltage Curve (LR6-60PE-300M)



Current-Voltage Curve (LR6-60PE-300M)



# LONGI Solar

LONGI Green Energy Technology Co.,Ltd  
Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong District, Shanghai, 201203  
Tel: +86-21-61047332 Fax: +86-21-61047377 E-mail: module@longi-silicon.com  
Facebook: www.facebook.com/LONGI Solar

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.