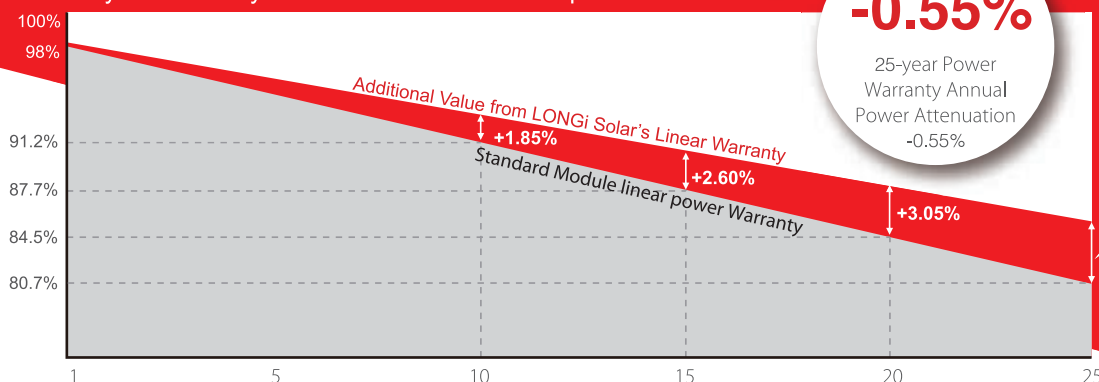


# LR6-60OPH 335~355M

Hi-MOX

**High Efficiency Low LID Mono PERC with OVERLAP Technology to Deliver Superior Power with Aesthetic Appearance**

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



**+4.10%**

## Complete System and Product Certifications

IEC 61215, IEC61730

ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

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 20.3%)

**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

**Solid PID resistance** ensured by solar cell process optimization and careful module BOM selection

**Robust frame** (35mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side

# LONGi Solar

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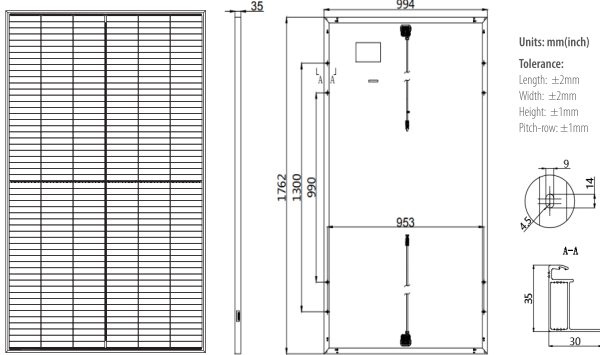
Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract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

# LR6-60OPH 335~355M

## Design (mm)

## Mechanical Parameters

## Operating Parameters



Cell Orientation: 6 parallels & 2 series  
 Junction Box: IP67, two diodes  
 Output Cable: 4mm<sup>2</sup>, positive pole 800mm,  
 negative pole 400mm  
 Glass: 3.2mm coated tempered glass  
 Weight: 19kg  
 Dimension: 1762×994×35mm  
 Packaging: 30pcs per pallet  
 180pcs per 20'GP  
 780pcs per 40'HC

Operational Temperature: -40 °C ~ +85 °C  
 Power Output Tolerance: 0 ~ +5 W  
 Voc and Isc Tolerance:  $\pm 3\%$   
 Maximum System Voltage: DC1500V (IEC)  
 Maximum Series Fuse Rating: 20A  
 Nominal Operating Cell Temperature: 45 $\pm 2$  °C  
 Safety Class: Class II

## Electrical Characteristics

Test uncertainty for Pmax:  $\pm 3\%$

Model Number	LR6-60OPH-335M		LR6-60OPH-340M		LR6-60OPH-345M		LR6-60OPH-350M		LR6-60OPH-355M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	335	248.2	340	251.9	345	255.6	350	259.3	355	263.0
Open Circuit Voltage (Voc/V)	37.9	35.4	38.1	35.6	38.3	35.7	38.5	35.9	38.7	36.1
Short Circuit Current (Isc/A)	11.53	9.29	11.62	9.37	11.72	9.45	11.81	9.52	11.91	9.60
Voltage at Maximum Power (Vmp/V)	31.2	28.8	31.4	29.0	31.6	29.2	31.8	29.4	32.0	29.6
Current at Maximum Power (Imp/A)	10.74	8.61	10.83	8.68	10.92	8.76	11.01	8.83	11.10	8.90
Module Efficiency(%)	19.1		19.4		19.7		20.0		20.3	

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 )

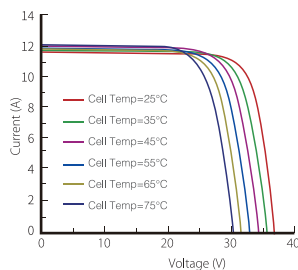
Temperature Coefficient of Isc +0.057%/°C  
 Temperature Coefficient of Voc -0.286%/°C  
 Temperature Coefficient of Pmax -0.370%/°C

## Mechanical Loading

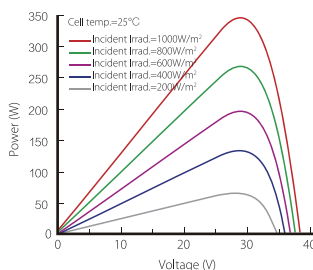
Front Side Maximum Static Loading 5400Pa  
 Rear Side Maximum Static Loading 2400Pa  
 Hailstone Test 25mm Hailstone at the speed of 23m/s

## I-V Curve

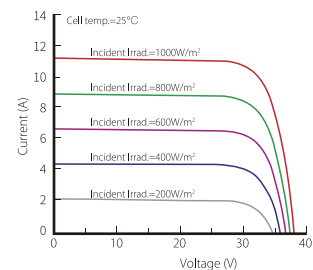
Current-Voltage Curve (LR6-60OPH-345M)



Power-Voltage Curve (LR6-60OPH-345M)



Current-Voltage Curve (LR6-60OPH-345M)



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