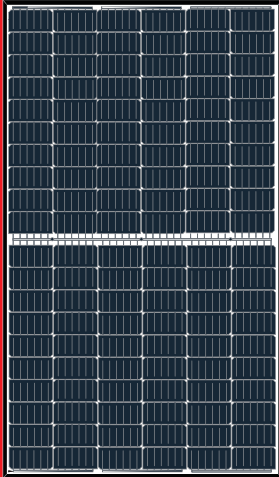
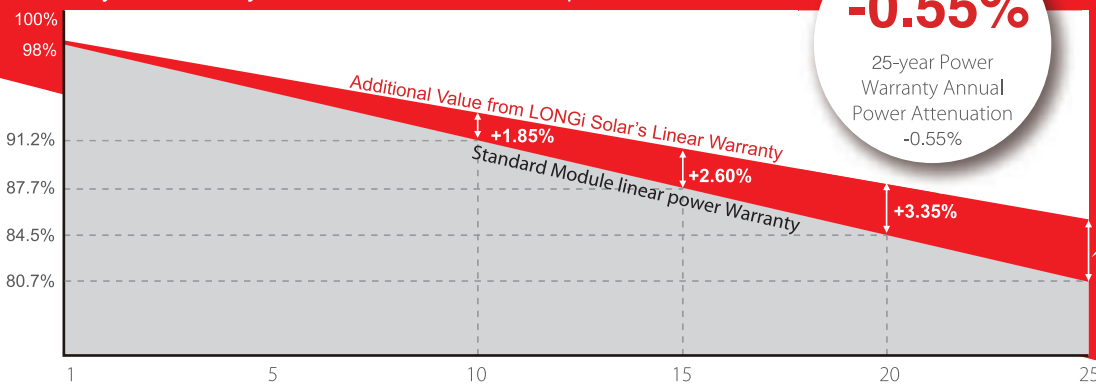


# LR6-60HPH 305~325M



**High Efficiency  
Low LID Mono PERC with  
Half-cut Technology**

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



## 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 19.6%)

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

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

**Reduced resistive loss** with lower operating current

**Higher energy yield** with lower operating temperature

**Reduced hot spot risk** with optimized electrical design and lower operating current

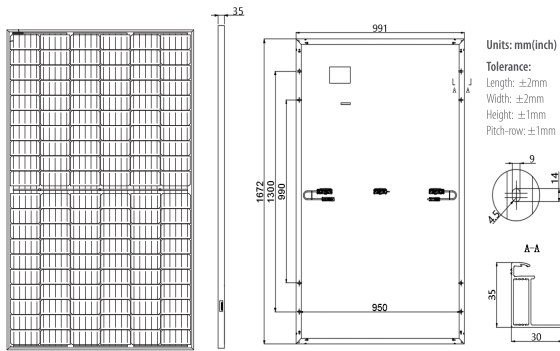


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Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall 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.

# LR6-60HPH 305~325M

## Design (mm)



## Mechanical Parameters

Cell Orientation: 120 (6×20)  
 Junction Box: IP67, three diodes  
 Output Cable: 4mm<sup>2</sup>, 1200mm in length  
 Glass: Single glass  
 2.8mm coated tempered glass  
 Frame: Anodized aluminum alloy frame  
 Weight: 16.8kg  
 Dimension: 1672×991×35mm  
 Packaging: 30pcs per pallet  
 180pcs per 20'GP  
 780pcs per 40'HC

## Operating Parameters

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

## Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-60HPH-305M		LR6-60HPH-310M		LR6-60HPH-315M		LR6-60HPH-320M		LR6-60HPH-325M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	305	225.9	310	229.6	315	233.4	320	237.1	325	240.8
Open Circuit Voltage (Voc/V)	40.1	37.4	40.3	37.7	40.6	37.9	40.9	38.2	41.1	38.4
Short Circuit Current (Isc/A)	9.78	7.88	9.86	7.94	9.94	8.01	10.02	8.08	10.12	8.16
Voltage at Maximum Power (Vmp/V)	33.1	30.6	33.3	30.8	33.7	31.1	33.9	31.3	34.1	31.5
Current at Maximum Power (Imp/A)	9.21	7.38	9.30	7.46	9.36	7.50	9.43	7.56	9.52	7.64
Module Efficiency(%)	18.4		18.7		19.0		19.3		19.6	

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 )

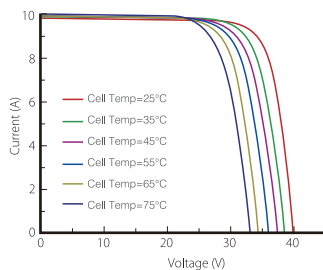
Temperature Coefficient of Isc	+0.057%/C
Temperature Coefficient of Voc	-0.286%/C
Temperature Coefficient of Pmax	-0.370%/C

## Mechanical Loading

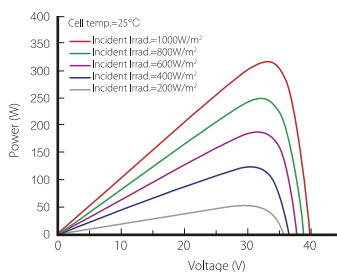
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## I-V Curve

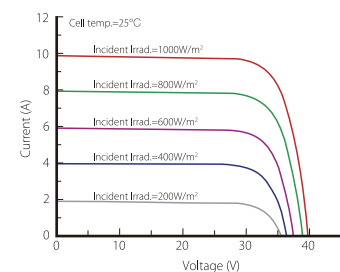
Current-Voltage Curve (LR6-60HPH-310M)



Power-Voltage Curve (LR6-60HPH-310M)



Current-Voltage Curve (LR6-60HPH-310M)



# LONGI

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