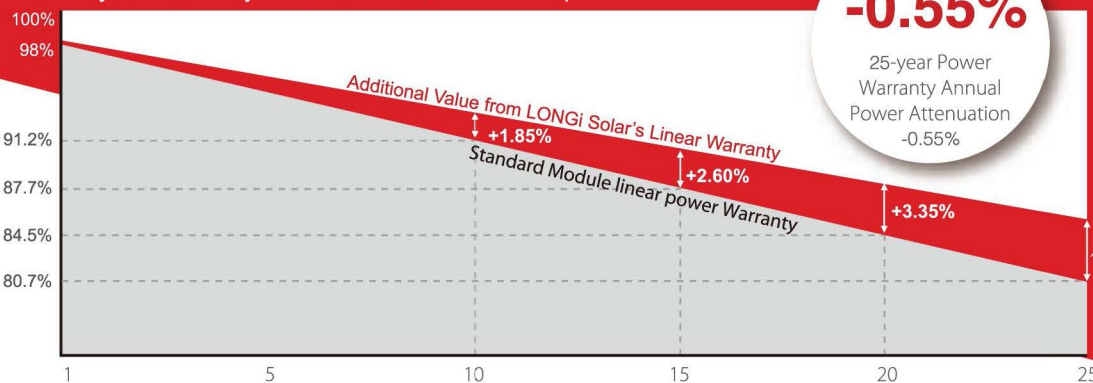


LR6-60HPB 300~320M



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

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 : %)

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

Outstanding low light performance average relative efficiency 97.5% or better at 200W/m²

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

LONGi Solar

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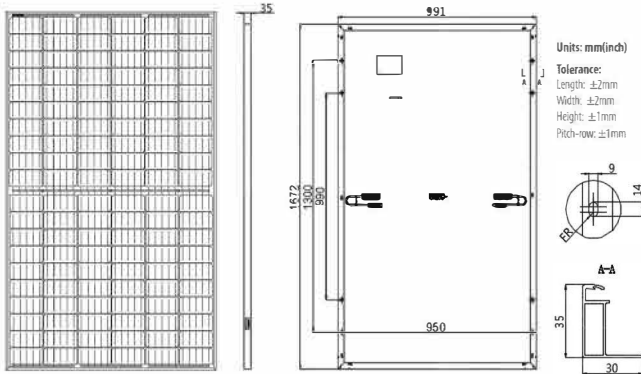
Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract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

LR6-60HPB 300~320M

Design (mm)

Mechanical Parameters

Operating Parameters



Units: mm(inch)
 Tolerance:
 Length: ±2mm
 Width: ±2mm
 Height: ±1mm
 Pitch-row: ±1mm

Cell Orientation: 120 (6×20)
 Junction Box: IP67, three diodes
 Output Cable: 4mm², 300mm in length
 Connector: Genuine MC4
 Weight: 18.5kg
 Dimension: 1672×991×35mm
 Packaging: 30pcs per pallet
 156pcs per 20'GP
 780pcs per 40'HC

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	LR6-60HPB-300M		LR6-60HPB-305M		LR6-60HPB-310M		LR6-60HPB-315M		LR6-60HPB-320M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	300	222.2	305	225.9	310	229.6	315	233.4	320	237.1
Open Circuit Voltage (Voc/V)	39.8	37.1	40.1	37.4	40.3	37.7	40.6	37.9	40.9	38.2
Short Circuit Current (Isc/A)	9.70	7.82	9.78	7.88	9.86	7.94	9.94	8.01	10.02	8.08
Voltage at Maximum Power (Vmp/V)	32.9	30.4	33.1	30.6	33.3	30.8	33.7	31.1	33.9	31.3
Current at Maximum Power (Imp/A)	9.13	7.32	9.21	7.38	9.30	7.46	9.36	7.50	9.43	7.56
Module Efficiency(%)	18.1		18.4		18.7		19.0		19.3	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

Temperature Ratings (STC)

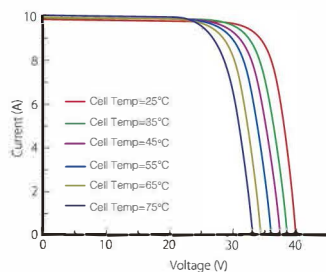
Temperature Coefficient of Isc: +0.057%/°C
 Temperature Coefficient of Voc: -0.286%/°C
 Temperature Coefficient of Pmax: -0.370%/°C

Mechanical Loading

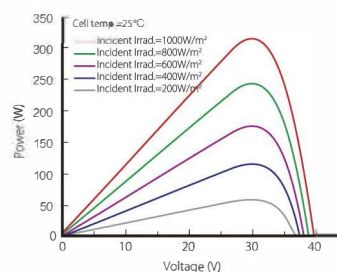
Front Side Maximum Static Loading: 5400Pa
 Rear Side Maximum Static Loading: 2400Pa
 Hailstone Test: 25mm Hailstone at the speed of 23m/s

I-V Curve

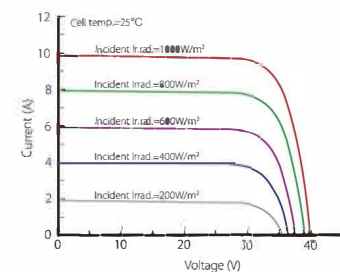
Current-Voltage Curve (LR6-60HPB-310M)



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



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



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