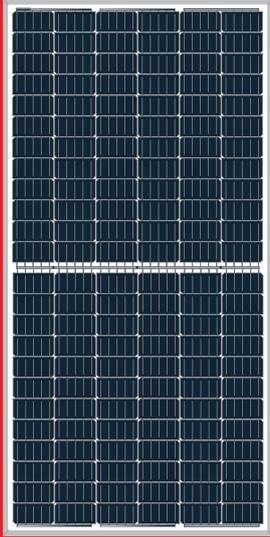
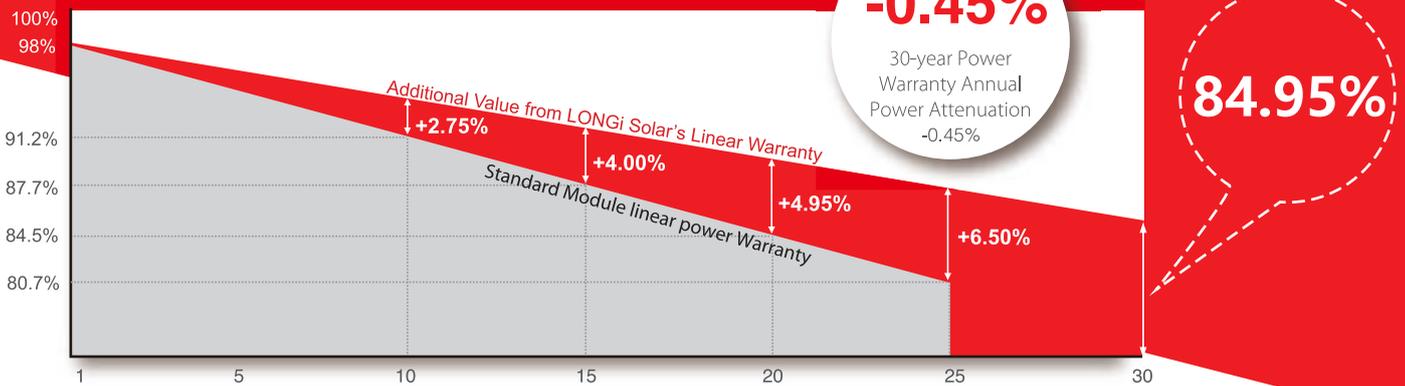


# LR6-72HBD 360~380M



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

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



## Complete System and Product Certifications

IEC 61215, IEC61730, UL1703  
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.

## Front side performance equivalent to conventional low LID mono PERC:

- High module conversion efficiency (up to 18.9%)
- Better energy yield with excellent low irradiance performance and temperature coefficient
- First year power degradation <2%

**Bifacial technology** enables additional energy harvesting from rear side (up to 25%)

**Glass/glass lamination** ensures 30 year product lifetime, with annual power degradation < 0.45%, 1500V compatible to reduce BOS cost

**40mm frame design** enables easy installation and robust mechanical strength

**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

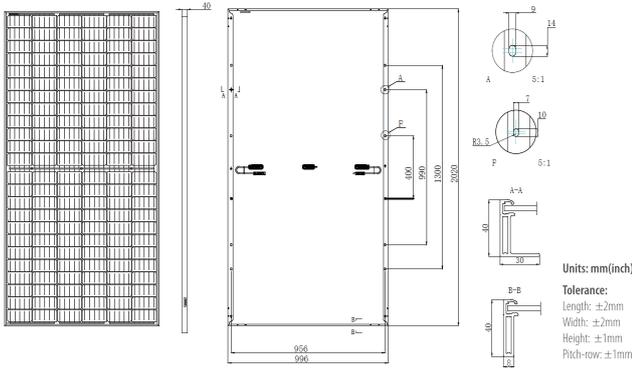
# LONGi Solar

Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong District, Shanghai, 201203  
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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.

# LR6-72HBD 360~380M

## Design (mm)



## Mechanical Parameters

Cell Orientation: 144 (6×24)  
Junction Box: IP67, three diodes  
Output Cable: 4mm<sup>2</sup>, 300mm in length,  
length can be customized  
Glass: 2.0mm coated tempered glass  
Weight: 26.5kg  
Dimension: 2020×996×40mm  
Packaging: 26pcs per pallet  
130pcs per 20'GP  
572pcs 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&UL)  
Maximum Series Fuse Rating: 20A  
Nominal Operating Cell Temperature: 45±2°C  
Application Class: Class II  
Fire Rating: UL type 6  
Bifaciality: ≥75%

## Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-72HBD-360M		LR6-72HBD-365M		LR6-72HBD-370M		LR6-72HBD-375M		LR6-72HBD-380M	
	STC	NOCT								
Maximum Power (Pmax/W)	360	267.7	365	271.4	370	275.1	375	278.8	380	282.6
Open Circuit Voltage (Voc/V)	47.7	44.4	47.9	44.6	48.1	44.8	48.3	45.0	48.5	45.2
Short Circuit Current (Isc/A)	9.64	7.80	9.72	7.87	9.80	7.93	9.87	7.99	9.97	8.07
Voltage at Maximum Power (Vmp/V)	39.4	36.6	39.6	36.8	39.8	36.9	40.0	37.1	40.2	37.3
Current at Maximum Power (Imp/A)	9.14	7.32	9.22	7.38	9.30	7.45	9.38	7.51	9.47	7.59
Module Efficiency(%)	17.9		18.1		18.4		18.6		18.9	

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

Electrical characteristics with different rear side power gain (reference to 370W front)

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
389	48.1	10.29	39.8	9.76	5%
407	48.1	10.77	39.8	10.23	10%
426	48.2	11.26	39.9	10.69	15%
444	48.2	11.75	39.9	11.16	20%
463	48.2	12.24	39.9	11.62	25%

## Temperature Ratings ( STC )

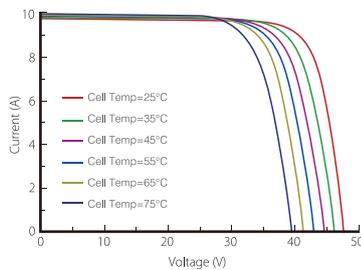
Temperature Coefficient of Isc: +0.060%/°C  
Temperature Coefficient of Voc: -0.300%/°C  
Temperature Coefficient of Pmax: -0.370%/°C

## Mechanical Loading

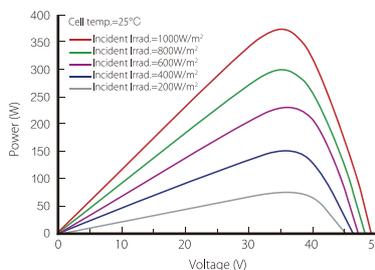
Front Side Maximum Static Loading: 5400Pa  
Rear Side Maximum Static Loading: 2400Pa  
Hailstone Test: 25mm Hailstone at the speed of 23m/s

## I-V Curve

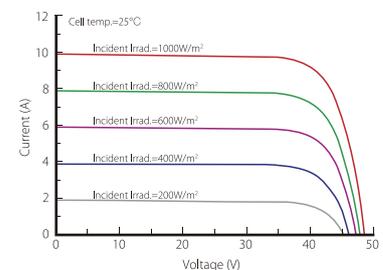
Current-Voltage Curve (LR6-72HBD-370M)



Power-Voltage Curve (LR6-72HBD-370M)



Current-Voltage Curve (LR6-72HBD-370M)



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