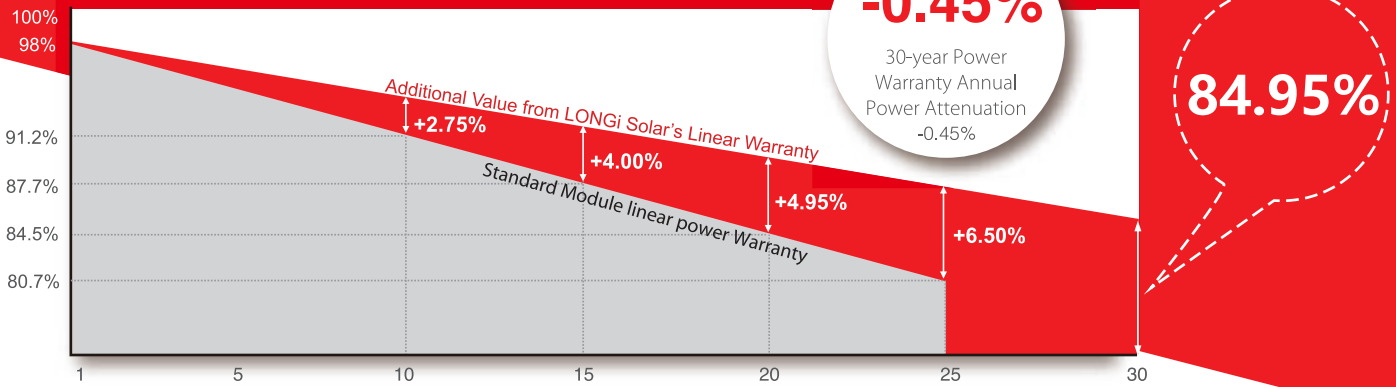


# LR6-72HBD 360~385M



**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 19.1%)
- 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

**30mm 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



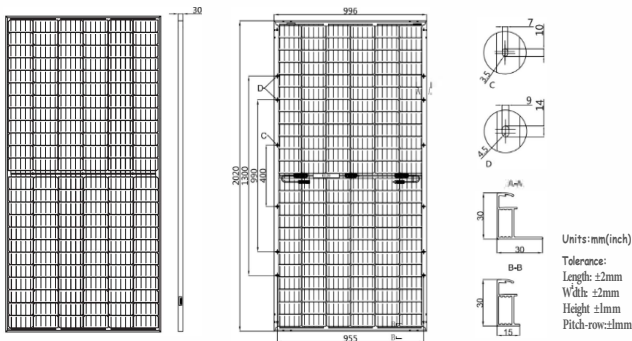
Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract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

# LR6-72HBD 360-385M

## Design (mm)

## Mechanical Parameters

## Operating Parameters



Cell Orientation: 144 (6x24)  
Junction Box: IP67, three diodes  
Output Cable: 4mm<sup>2</sup>, 300mm in length,  
length can be customized  
Glass: Dual glass  
2.0mm tempered glass  
Frame: Anodized aluminum alloy frame  
Weight: 26.3kg  
Dimension: 2020x996x30mm  
Packaging: 35pcs per pallet  
175pcs per 20'GP  
770pcs per 40'HC

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  
Safety Class: Class I  
Fire Rating: UL type 3  
Bifaciality: Coating: >75%  
Glazing: >70%

## Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-72HBD-360M		LR6-72HBD-365M		LR6-72HBD-370M		LR6-72HBD-375M		LR6-72HBD-380M		LR6-72HBD-385M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	360	267.7	365	271.4	370	275.1	375	278.8	380	282.6	385	286.3
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	48.7	45.4
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	10.03	8.12
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	40.4	37.5
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	9.53	7.63
Module Efficiency(%)	17.9		18.1		18.4		18.6		18.9		19.1	

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 )

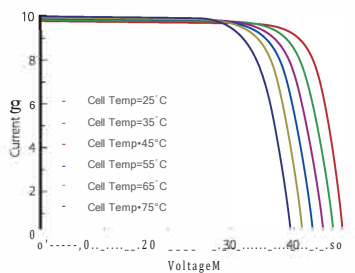
Temperature Coefficient of Isc	+0.060%/C
Temperature Coefficient of Voc	-0.300%/C
Temperature Coefficient of Pmax	-0.370%/C

## Mechanical Loading

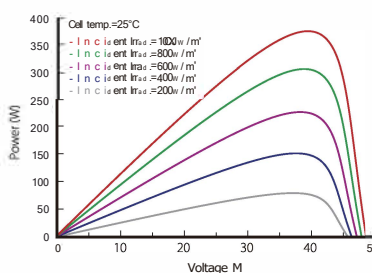
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## 1-V Curve

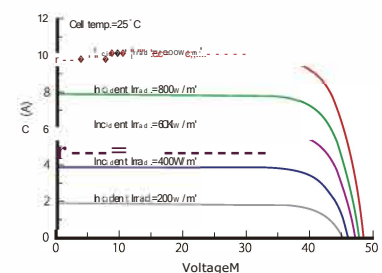
Current-Voltage Curve (LR6-72HBD-370M)



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



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



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