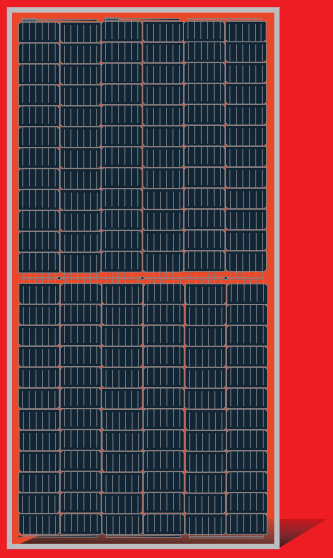
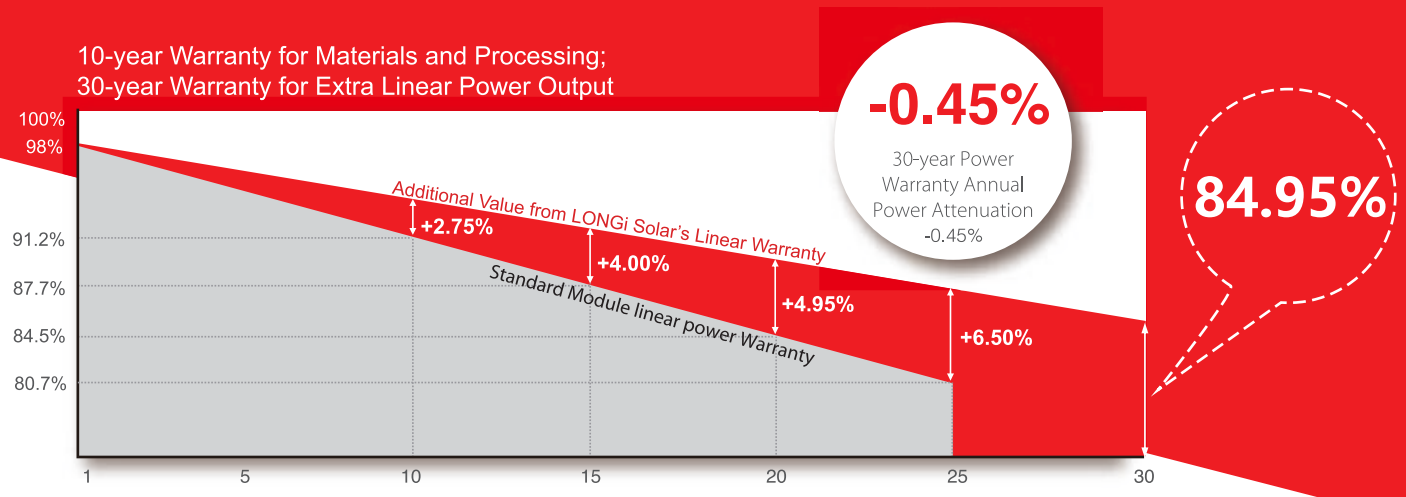
LR6-72HBD
360~385M

Hi-MO 3



High Efficiency Low LID Bifacial PERC with Half-cut Technology



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

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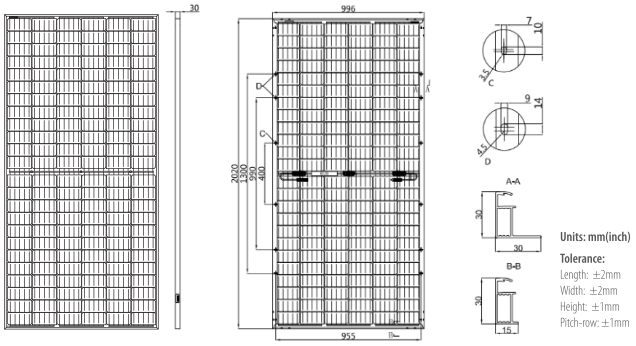
LR6-72HBD 360~385M

Design （mm）



Mechanical Parameters

Cell Orientation: 144 （6×24）
Junction Box: IP67, three diodes
Output Cable: 4mm², 300mm in length, length can be customized
Glass: Dual glass 2.0mm tempered glass
Frame: Anodized aluminum alloy frame
Weight: 26.3kg
Dimension: 2020×996×30mm
Packaging: 35pcs per pallet 175pcs per 20'GP 770pcs per 40'HC

Operating Parameters

Operational Temperature: -40℃~+85℃
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℃
Safety Class: Class II
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	
Testing Condition	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/m², Cell Temperature 25℃, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20℃, 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）

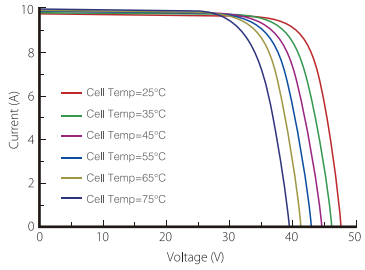
Temperature Coefficient of Isc	+0.060%/℃
Temperature Coefficient of Voc	-0.300%/℃
Temperature Coefficient of Pmax	-0.370%/℃

Mechanical Loading

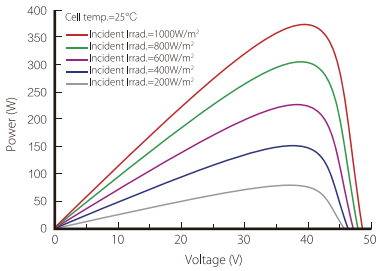
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

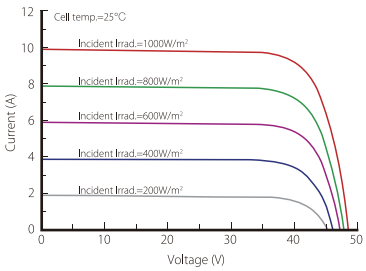
Current-Voltage Curve (LR6-72HBD-370M)



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



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



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