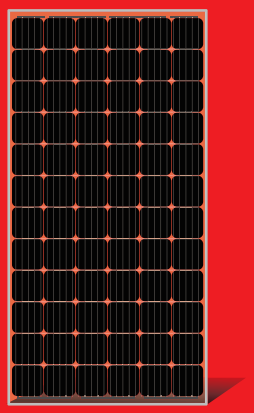
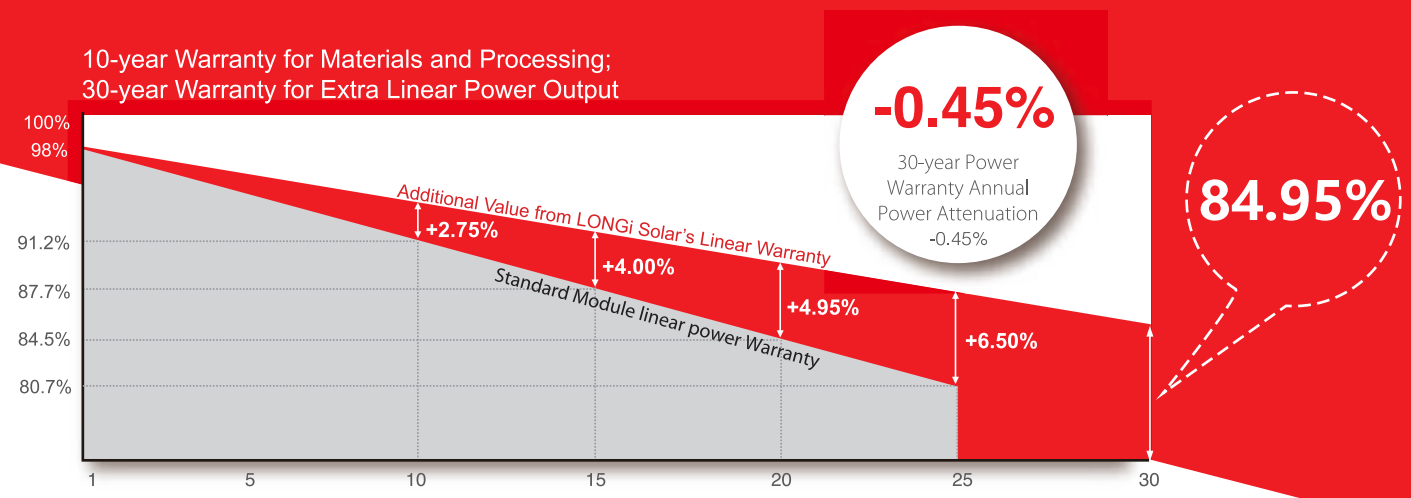
LR6-72BP
355~380M



Hi-MO2 High Efficiency Low LID Bifacial PERC Technology Best Solution for Lower LCOE



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 19.3%)
- 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

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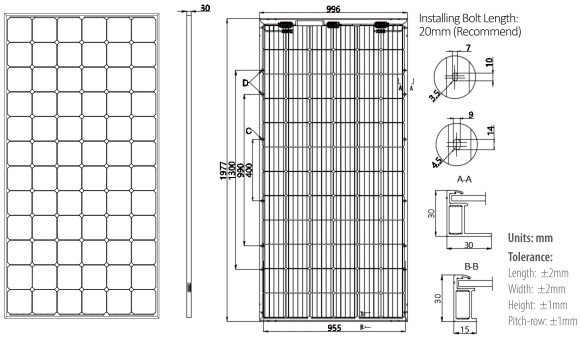
LR6-72BP **355~380M**

Design （mm）



Mechanical Parameters

Cell Orientation: 72 （6×12）
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: 25.5kg
Dimension: 1977×996×30mm
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 6
Bifaciality: Coating≥75%
Glazing≥70%

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-72BP-355M		LR6-72BP-360M		LR6-72BP-365M		LR6-72BP-370M		LR6-72BP-375M		LR6-72BP-380M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	355	264.0	360	267.7	365	271.4	370	275.1	375	278.8	380	282.6
Open Circuit Voltage (Voc/V)	48.1	44.8	48.2	44.9	48.3	45.0	48.4	45.1	48.6	45.3	48.8	45.5
Short Circuit Current (Isc/A)	9.61	7.78	9.72	7.87	9.84	7.96	9.95	8.06	10.03	8.12	10.11	8.18
Voltage at Maximum Power (Vmp/V)	39.2	36.4	39.3	36.5	39.5	36.7	39.6	36.8	39.8	36.9	40.0	37.1
Current at Maximum Power (Imp/A)	9.06	7.26	9.17	7.35	9.25	7.41	9.35	7.49	9.43	7.56	9.51	7.62
Module Efficiency(%)	18.0		18.3		18.5		18.8		19.0		19.3	

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	48.4	10.45	39.6	9.82	5%
407	48.4	10.94	39.6	10.29	10%
426	48.5	11.44	39.7	10.75	15%
444	48.5	11.94	39.7	11.22	20%
463	48.5	12.44	39.7	11.69	25%

Temperature Ratings（STC）

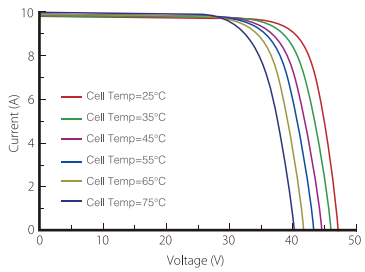
Temperature Coefficient of Isc	+0.060%/℃
Temperature Coefficient of Voc	-0.300%/℃
Temperature Coefficient of Pmax	-0.370%/℃

Mechanical Loading

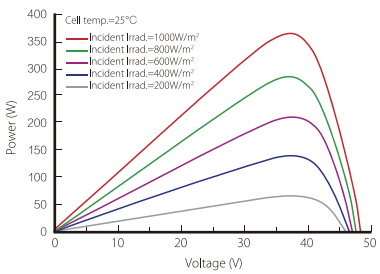
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

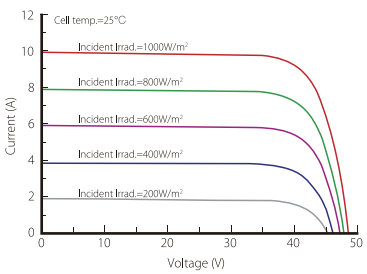
Current-Voltage Curve (LR6-72BP-370M)



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



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



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