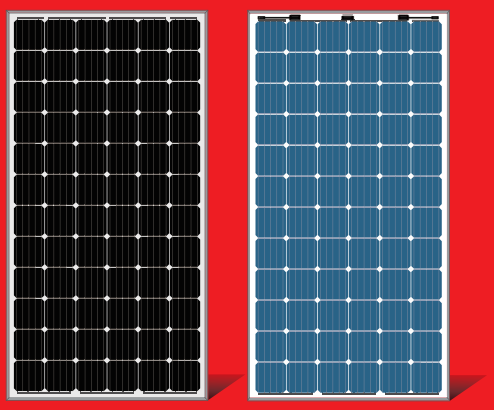
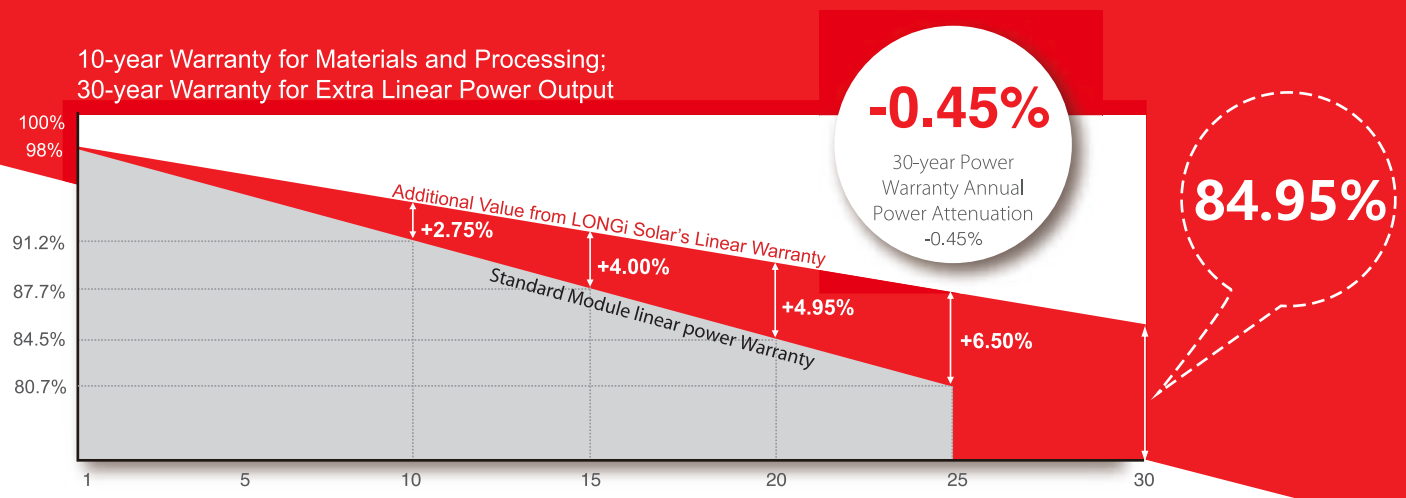
LR6-72BP
355~375M



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 19.0%)
- 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

LONGi Solar

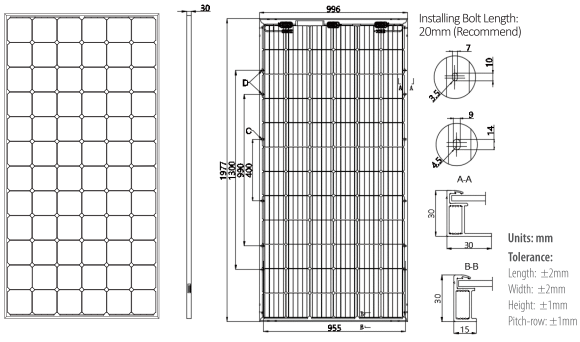
Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong District, Shanghai, 201203
Tel: + 86-21-61047332 Fax: +86-21-61047377 E-mail: module@longi-silicon.com
Facebook: www.facebook.com/LONGi Solar

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.

20180901

LR6-72BP 355~375M

Design（mm）



Mechanical Parameters

Cell Orientation: 72（6×12）
Junction Box: IP67, three diodes
Output Cable: 4mm², 300mm in length, length can be customized
Weight: 25.5kg
Dimension: 1977×996×30mm
Packaging: 36pcs per pallet
180pcs per 20'GP
792pcs 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℃
Application Class: Class II
Fire Rating: UL type 6
Bifaciality: ≥75%

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-72BP-355M		LR6-72BP-360M		LR6-72BP-365M		LR6-72BP-370M		LR6-72BP-375M	
Testing Condition	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
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
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
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
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
Module Efficiency(%)	18.0		18.3		18.5		18.8		19.0	

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 365W front)

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
383	48.3	10.33	39.5	9.71	5%
402	48.3	10.82	39.5	10.18	10%
420	48.4	11.31	39.6	10.64	15%
438	48.4	11.80	39.6	11.10	20%
456	48.4	12.29	39.6	11.56	25%

Temperature Ratings（STC）

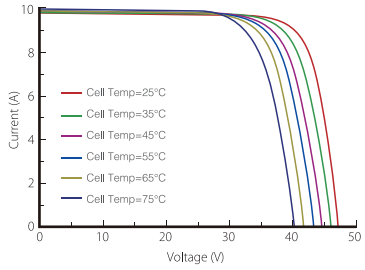
Temperature Coefficient of Isc	+0.060%/℃
Temperature Coefficient of Voc	-0.300%/℃
Temperature Coefficient of Pmax	-0.370%/℃

Mechanical Loading

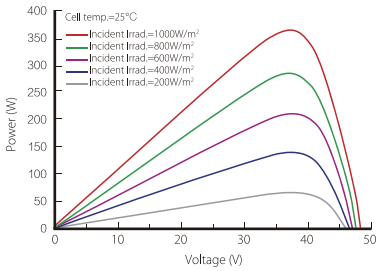
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

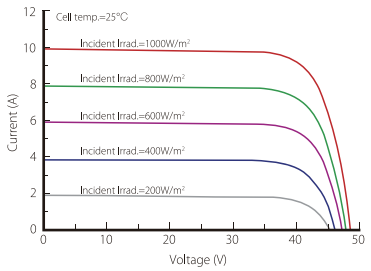
Current-Voltage Curve (LR6-72BP-365M)



Power-Voltage Curve (LR6-72BP-365M)



Current-Voltage Curve (LR6-72BP-365M)



LONGi Solar

Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong District, Shanghai, 201203
Tel: + 86-21-61047332 Fax: +86-21-61047377 E-mail: module@longi-silicon.com
Facebook: www.facebook.com/LONGi Solar

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.

20180901