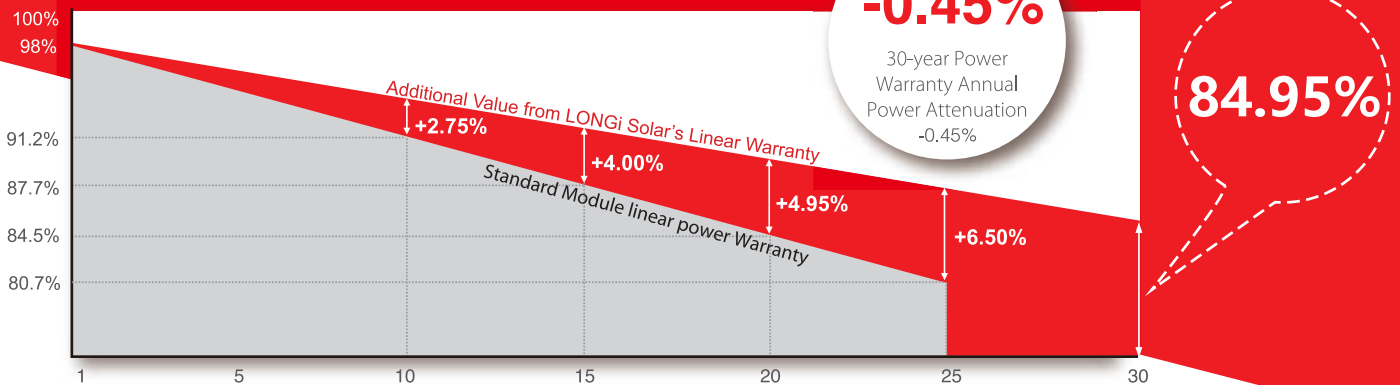


# LR6-72OPD 370~405M

Hi-MO X

**High Efficiency Low LID Mono PERC with OVERLAP Technology to Deliver Superior Power with Aesthetic Appearance**

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



## Complete System and Product Certifications

IEC 61215, IEC61730

ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

OHSAS 18001: 2007 Occupational Health and Safety



\* Specifications subject to technical changes and tests. LONGi Solar reserves the right of interpretation.

**Positive power tolerance** (0 ~ +5W) guaranteed

**High module conversion efficiency** (up to 20.0%)

**Slower power degradation** enabled by Low LID Mono PERC technology: first year <2%, 0.45% year 2-30

**Better energy yield** with excellent low irradiance performance and temperature coefficient

**Robust frame** (30mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side

# LONGi Solar

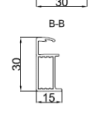
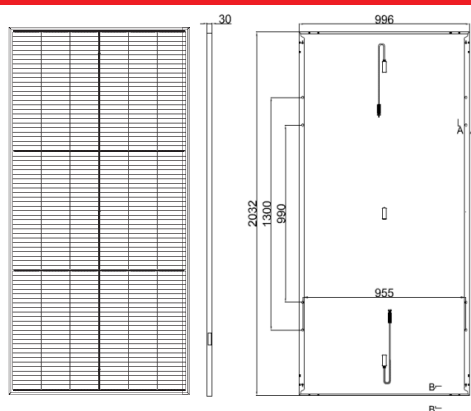
Room 801, Tower 3, Lujiazui Financial Plaza, No.826 Century Avenue, Pudong Shanghai, 200120, China  
Tel: +86-21-80162606 E-mail: module@longi-silicon.com Facebook: www.facebook.com/LONGi Solar

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.

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# LR6-72OPD 370~405M

## Design (mm)



Units: mm(inch)  
Tolerance:  
Length:  $\pm 2$ mm  
Width:  $\pm 2$ mm  
Height:  $\pm 1$ mm

## Mechanical Parameters

Cell Orientation: 6 parallels & 3 series  
Junction Box: IP67, three diodes  
Output Cable: 4mm<sup>2</sup>, positive pole 800mm,  
negative pole 400mm  
Connector: EVO2/PV-ZH202B/PV-LR5  
Glass: 2.0mm coated tempered glass  
Weight: 26kg  
Dimension: 2032×996×30mm  
Packaging: 35pcs per pallet  
175pcs per 20'GP  
770pcs per 40'HC

## Operating Parameters

Operational Temperature: -40°C ~ +85°C  
Power Output Tolerance: 0 ~ +5 W  
Voc and Isc Tolerance:  $\pm 3\%$   
Maximum System Voltage: DC1500V (IEC)  
Maximum Series Fuse Rating: 20A  
Nominal Operating Cell Temperature: 45 $\pm 2$ °C  
Safety Class: Class II  
Bifaciality:  $\geq 80\%$

## Electrical Characteristics

Test uncertainty for Pmax:  $\pm 3\%$

Model Number	LR6-72OPD-370M		LR6-72OPD-375M		LR6-72OPD-380M		LR6-72OPD-385M		LR6-72OPD-390M		LR6-72OPD-395M		LR6-72OPD-400M		LR6-72OPD-405M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	370	275.1	375	278.8	380	282.6	385	286.3	390	290.0	395	293.7	400	297.4	405	301.1
Open Circuit Voltage (Voc/V)	51.7	48.2	51.9	48.3	52.1	48.5	52.3	48.7	52.5	48.9	52.7	49.1	52.9	49.3	53.1	49.5
Short Circuit Current (Isc/A)	9.32	7.54	9.40	7.61	9.47	7.67	9.54	7.73	9.62	7.79	9.70	7.85	9.76	7.91	9.84	7.96
Voltage at Maximum Power (Vmp/V)	42.3	39.3	42.5	39.5	42.7	39.6	42.9	39.8	43.1	40.0	43.3	40.2	43.5	40.4	43.7	40.6
Current at Maximum Power (Imp/A)	8.75	7.01	8.83	7.07	8.90	7.13	8.98	7.19	9.05	7.25	9.13	7.31	9.20	7.37	9.27	7.42
Module Efficiency(%)	18.3		18.5		18.8		19.0		19.3		19.5		19.8		20.0	

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 390W front)

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
410	52.5	10.10	43.1	9.50	5%
429	52.5	10.58	43.1	9.95	10%
449	52.6	11.06	43.2	10.41	15%
468	52.6	11.54	43.2	10.86	20%
488	52.6	12.02	43.2	11.31	25%

## Temperature Ratings ( STC )

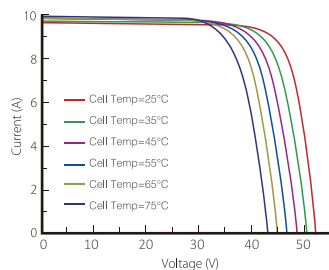
Temperature Coefficient of Isc	+0.060%/°C
Temperature Coefficient of Voc	-0.300%/°C
Temperature Coefficient of Pmax	-0.370%/°C

## Mechanical Loading

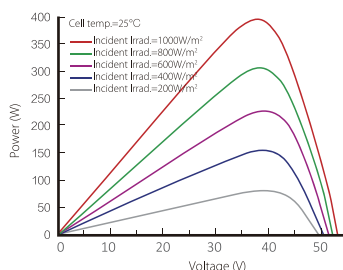
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## I-V Curve

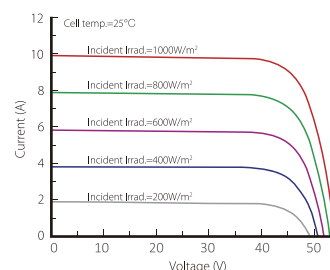
Current-Voltage Curve (LR6-72OPD-390M)



Power-Voltage Curve (LR6-72OPD-390M)



Current-Voltage Curve (LR6-72OPD-390M)



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