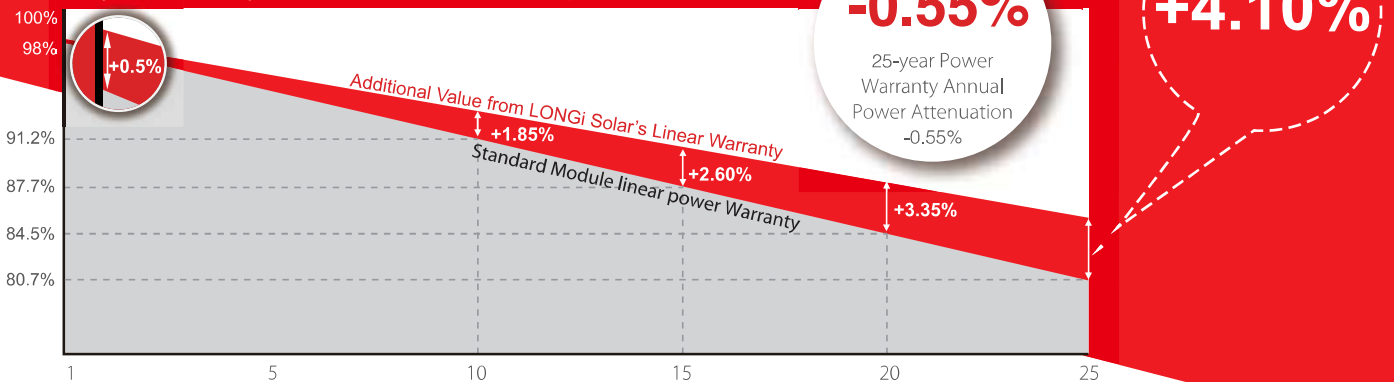


# LR6-72PE 360~380M

**Hi-MO1 High Efficiency  
Low LID Mono PERC Technology**

10-year Warranty for Materials and Processing;  
25-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.

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

**High module conversion efficiency** (up to 19.6%)

**Slower power degradation** enabled by Low LID Mono PERC technology: first year <2%, 0.55% year 2-25

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

**Solid PID resistance** ensured by solar cell process optimization and careful module BOM selection

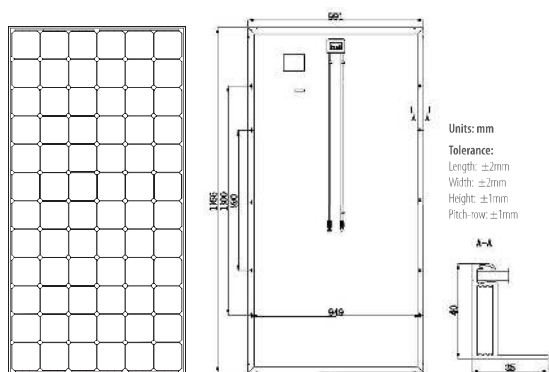
**Adaptable to harsh environment:** passed rigorous salt mist and ammonia tests

# 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.

# LR6-72PE 360~380M

## Design (mm)



## Mechanical Parameters

Cell Orientation: 72 (6×12)  
 Junction Box: IP67, three diodes  
 Output Cable: 4mm<sup>2</sup>, 1200mm in length  
 Connector: MC4 or MC4 comparable  
 Weight: 22.5kg  
 Dimension: 1956×991×40mm  
 Packaging: 26pcs per pallet

## Operating Parameters

Operational Temperature: -40 C ~ +85 C  
 Power Output Tolerance: 0 ~ +5 W  
 Maximum System Voltage: DC1000V (IEC&UL)  
 Maximum Series Fuse Rating: 20A  
 Nominal Operating Cell Temperature: 45±2 C  
 Application Class: Class A

## Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-72PE-360M		LR6-72PE-365M		LR6-72PE-370M		LR6-72PE-375M		LR6-72PE-380M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	360	266.7	365	270.4	370	274.1	375	277.8	380	281.5
Open Circuit Voltage (Voc/V)	47.9	44.7	48.0	44.8	48.3	45.1	48.5	45.3	48.7	45.5
Short Circuit Current (Isc/A)	9.70	7.82	9.74	7.85	9.84	7.93	9.90	7.98	9.99	8.05
Voltage at Maximum Power (Vmp/V)	39.2	36.2	39.3	36.3	39.4	36.4	39.6	36.6	39.8	36.8
Current at Maximum Power (Imp/A)	9.18	7.36	9.29	7.45	9.39	7.53	9.47	7.59	9.55	7.66
Module Efficiency(%)	18.6		18.8		19.1		19.3		19.6	

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

## Temperature Ratings ( STC )

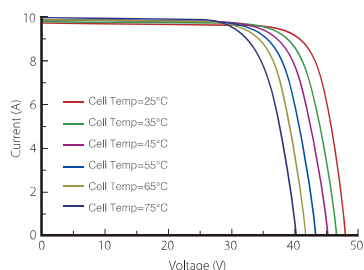
Temperature Coefficient of Isc: +0.057%/C  
 Temperature Coefficient of Voc: -0.286%/C  
 Temperature Coefficient of Pmax: -0.370%/C

## Mechanical Loading

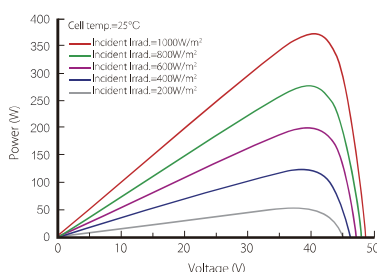
Front Side Maximum Static Loading: 5400Pa  
 Rear Side Maximum Static Loading: 2400Pa  
 Hailstone Test: 25mm Hailstone at the speed of 23m/s

## I-V Curve

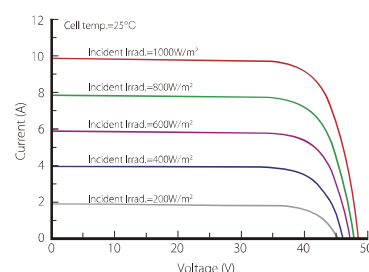
Current-Voltage Curve (LR6-72PE-370M)



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



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



# LONGi Solar

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