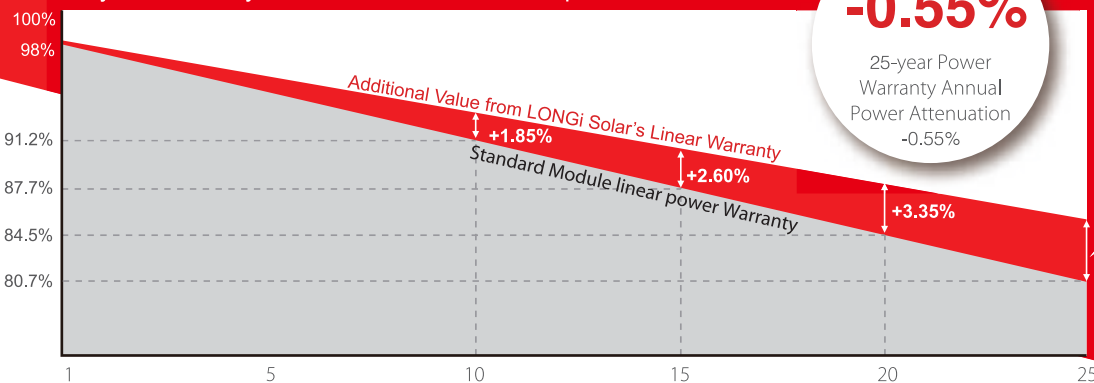


# LR6-72PE 355~380M

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

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



**-0.55%**

25-year Power  
Warranty Annual  
Power Attenuation  
-0.55%

**+4.10%**

## 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 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

**Robust frame** (40mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side

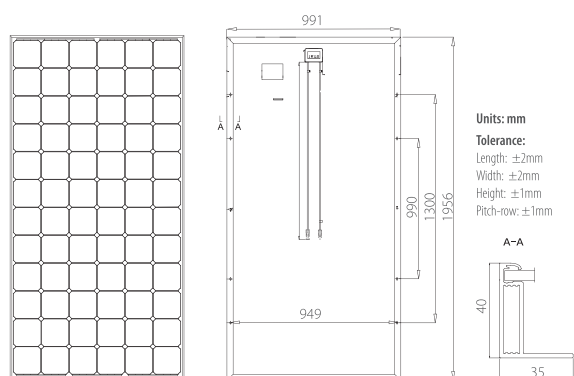
# LONGi Solar

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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 355~380M

## 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  
 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-355M		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	STC	NOCT
Testing Condition												
Maximum Power (Pmax/W)	355	260.9	360	264.6	365	268.3	370	272.0	375	275.6	380	279.3
Open Circuit Voltage (Voc/V)	47.7	44.1	47.9	44.3	48.0	44.4	48.3	44.7	48.5	44.9	48.7	45.1
Short Circuit Current (Isc/A)	9.63	7.76	9.70	7.82	9.74	7.85	9.84	7.93	9.90	7.98	9.97	8.04
Voltage at Maximum Power (Vmp/V)	39.0	35.9	39.2	36.0	39.3	36.1	39.4	36.2	39.6	36.4	39.8	36.6
Current at Maximum Power (Imp/A)	9.10	7.28	9.18	7.34	9.29	7.43	9.39	7.51	9.47	7.58	9.54	7.63
Module Efficiency(%)	18.3		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 )

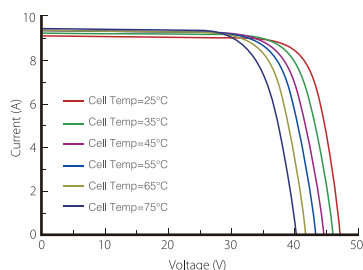
Temperature Coefficient of Isc	+0.057%/C
Temperature Coefficient of Voc	-0.286%/C
Temperature Coefficient of Pmax	-0.380%/C

## Mechanical Loading

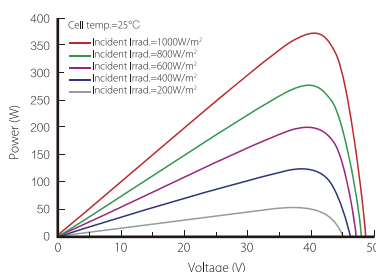
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## I-V Curve

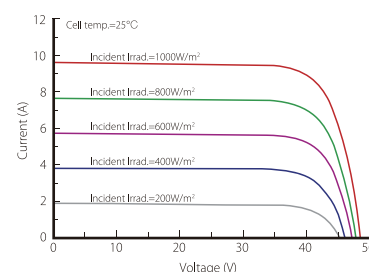
Current-Voltage Curve (LR6-72PE-365M)



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



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



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