

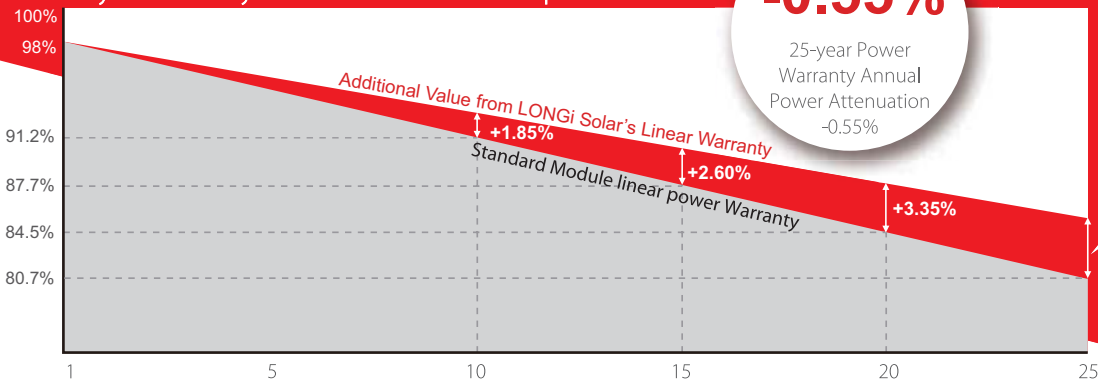


# LR6-72PE 345~365W

**Hi-MO 1 Top Runner in PV industry  
High efficiency Low LID High  
Reliability**

LONGi Solar mono module products with high efficiency and high reliability can reach the highest output power of 365W. The most advanced module manufacturing technologies are applied to get lower OPCT and excellent performance at low irradiance and to ensure the power generation and investment revenue for customs.

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



## System and Product Certifications

- IEC 61215, IEC 61730, UL 1703, CQC, CE
- ISO 9001: 2008: ISO Quality Management System
- ISO 14001: 2004: ISO Environment Management System
- OHSAS 18001: 2007 Occupational Health and Safety Management System



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

## Positive Power Tolerance

0 ~ +5W positive tolerance of maximal output power guaranteed.

## High Conversion Efficiency

The highest efficiency up to 18.8%.

## Excellent Performance in Low Irradiance Condition

Outstanding power output in low irradiance condition: dawn, dusk and rainy days, etc.

## Anti-PID

Anti-PID technologies of both cell and module are applied to ensure the excellent anti-PID performance.

## Adaptability to Harsh Environments

Excellent weather resistance: salt spray resistance, ammonia resistance, etc.

## Robust Frame, 40mm Thickness

Good pressure resistance, be able to hold 2400Pa wind pressure and 5400Pa snow pressure

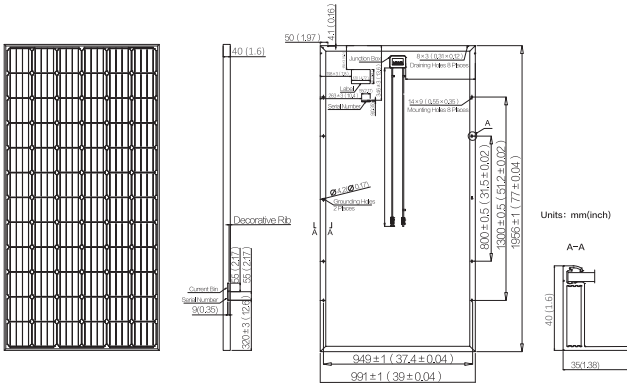
# LONGi Solar

Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong New District, Shanghai, 201203  
Tel: 86-21-61047332 Fax: 86-21-61047377 Email: module@longi-silicon.com

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 345~365W

## Design Paper (mm)



## Mechanical Parameters

- Number of cells: 72 (6 × 12)
- Junction Box: IP67, 3diodes
- Output Cable:  $\phi = 4\text{mm}^2$ , L=1000mm,
- Connector: MC4 or compatible with MC4
- Weight: 22.5kg
- Dimension: 1956 × 991 × 40mm
- Package: 26pcs per pallet

## Operating Parameters

- Operating Temperature: -40 ~ +85°C
- Power Tolerance: 0 ~ +5 W
- Max System Voltage: DC1000V (IEC)
- Max Fuse Current: 15A
- NOCT: 45 ± 2°C
- Application Class: Class A

## Electrical Characteristics

Module Type	LR6-72PE-345M		LR6-72PE-350M		LR6-72PE-355M		LR6-72PE-360M		LR6-72PE-365M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power output (Pmax /W)	345	253.6	350	257.3	355	260.9	360	264.6	365	268.3
Voc/V	47.4	43.8	47.5	43.9	47.7	44.1	47.9	44.3	48.0	44.4
Isc /A	9.46	7.62	9.57	7.71	9.63	7.76	9.70	7.82	9.74	7.85
Vmp/V	38.7	35.5	38.8	35.6	39.0	35.9	39.2	36.0	39.3	36.1
Imp /A	8.92	7.14	9.03	7.22	9.10	7.28	9.18	7.34	9.29	7.43
Efficiency (%)	17.8	/	18.1	/	18.3	/	18.6	/	18.8	/

STC (Standard Testing Condition) : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

NOCT (Nominal Operating Cell Temperature) : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

## Temperature Coefficient (STC)

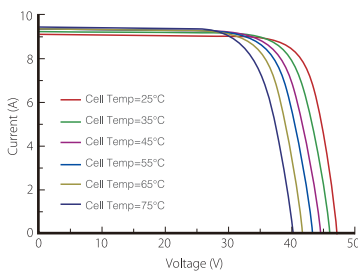
- Temperature coefficient of Isc: +0.059%/°C
- Temperature coefficient of Voc: -0.300%/°C
- Temperature coefficient of Pmax: -0.390%/°C

## Load

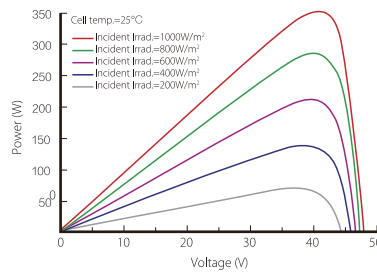
- Maximum Front Static Load (Wind or Snow): 5400pa
- Maximum Rear Static Load (Wind): 2400pa
- Hailstone Test: Diameter of 25mm at 23m/s impact speed

## I-V Curve

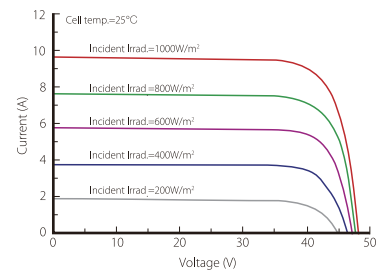
Current-Voltage Curve (LR6-72PE-350M)



Power-Voltage Curve (LR6-72PE-350M)



At different irradiance (LR6-72PE-350M)



**LONGi Solar**

Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong New District, Shanghai, 201203  
Tel: 86-21-61047332 Fax: 86-21-61047377 Email: module@longi-silicon.com

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.