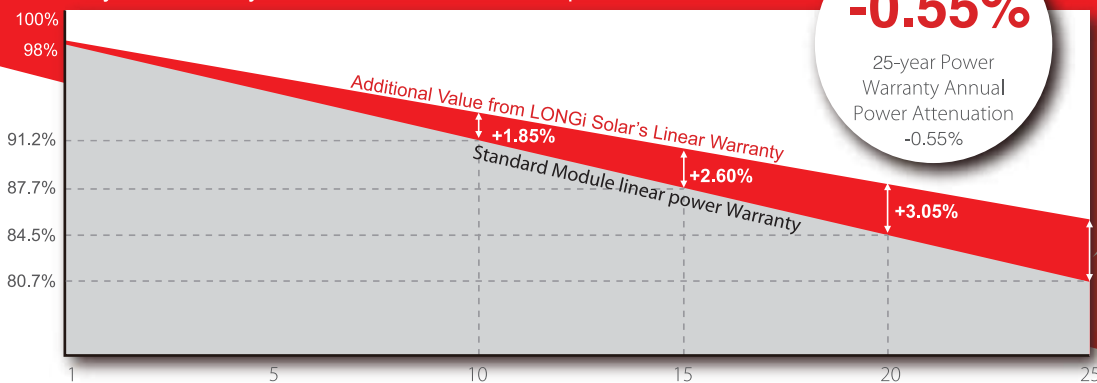


LR6-72OPH  
**385~415M**

**Hi-MOX**

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

12-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 20.8%)

**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** (35mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side

**LONGi**

LONGi Green Energy Technology Co., Ltd.

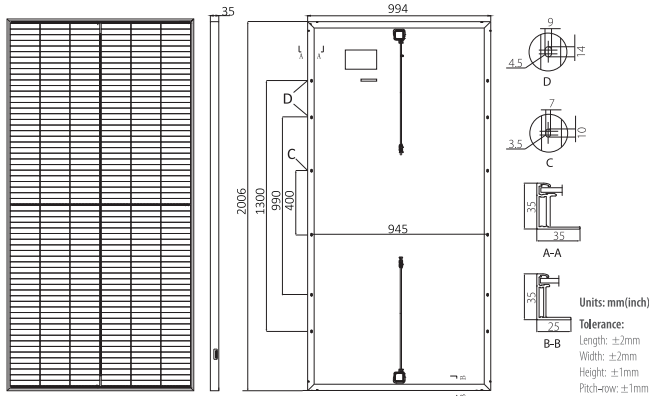
Room 801, Tower 3, Lujiazui Financial Plaza, No.826 Century Avenue, Pudong Shanghai, 200120, China  
Tel: +86-21-80162606 E-mail: module@longi-silicon.com Facebook: www.facebook.com/LONGi Solar

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi 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.

Made in China or Malaysia or Vietnam 20191217

# LR6-72OPH 385~415M

## Design (mm)



## Mechanical Parameters

Cell Orientation: 6 parallels & 2 series  
 Junction Box: IP67, two diodes  
 Output Cable: 4mm<sup>2</sup>, positive pole 800mm,  
 negative pole 400mm,  
 length can be customized  
 Connector: PV-ZH202B/PV-LR5/  
 PV-KST4-EVO2/xy\_UR, PV-KBT4-EVO2/xy\_UR  
 Glass: 3.2mm coated tempered glass  
 Frame: Anodized aluminum alloy frame  
 Weight: 23.0kg  
 Dimension: 2006×994×35mm  
 Packaging: 30pcs per pallet  
 150pcs per 20'GP  
 660pcs 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  
 Fire Rating: Class C

## Electrical Characteristics

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

Model Number	LR6-72OPH-385M		LR6-72OPH-390M		LR6-72OPH-395M		LR6-72OPH-400M		LR6-72OPH-405M		LR6-72OPH-410M		LR6-72OPH-415M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	385	285.2	390	288.9	395	292.6	400	296.3	405	300.0	410	303.7	415	307.4
Open Circuit Voltage (Voc/V)	43.4	40.5	43.6	40.7	43.8	40.9	44.0	41.1	44.2	41.3	44.4	41.4	44.6	41.6
Short Circuit Current (Isc/A)	11.57	9.33	11.65	9.39	11.73	9.46	11.80	9.51	11.88	9.58	11.95	9.64	12.03	9.71
Voltage at Maximum Power (Vmp/V)	35.6	32.9	35.8	33.1	36.0	33.3	36.2	33.4	36.4	33.6	36.6	33.8	36.8	34.0
Current at Maximum Power (Imp/A)	10.82	8.68	10.90	8.74	10.98	8.81	11.05	8.86	11.13	8.92	11.20	8.98	11.28	9.04
Module Efficiency(%)	19.3		19.6		19.8		20.1		20.3		20.6		20.8	

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 )

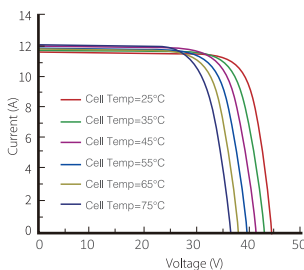
Temperature Coefficient of Isc	+0.057%/°C
Temperature Coefficient of Voc	-0.286%/°C
Temperature Coefficient of Pmax	-0.370%/°C

## Mechanical Loading

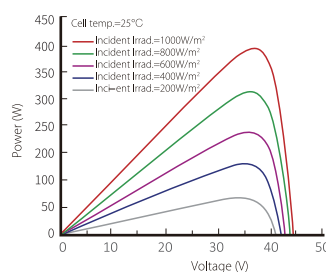
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## I-V Curve

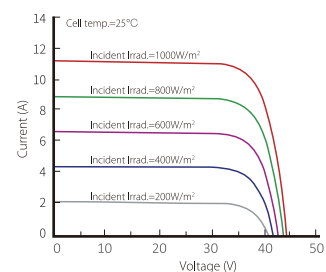
Current-Voltage Curve (LR6-72OPH-395M)



Power-Voltage Curve (LR6-72OPH-395M)



Current-Voltage Curve (LR6-72OPH-395M)



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