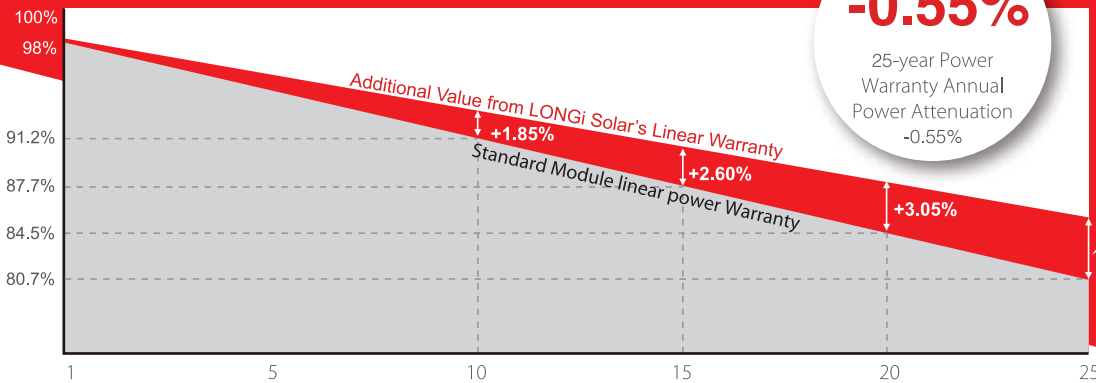


LR6-72OPH 385~405M

Hi-MOX

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

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

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 20.3%)

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

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

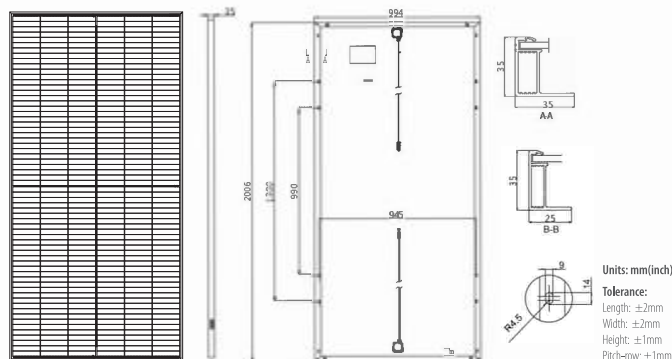
LONGi Solar

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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.

LR6-72OPH 385~405M

Design (mm)



Mechanical Parameters

Cell Orientation: 6 parallels & 2 series
 Junction Box: IP67, two diodes
 Output Cable: 4mm², positive pole 800mm,
 negative pole 400mm
 Glass: 3.2mm coated tempered glass
 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: ±3%
 Maximum System Voltage: DC1500V (IEC)
 Maximum Series Fuse Rating: 20A
 Nominal Operating Cell Temperature: 45±2°C
 Safety Class: Class II

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-72OPH-385M		LR6-72OPH-390M		LR6-72OPH-395M		LR6-72OPH-400M		LR6-72OPH-405M	
	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
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
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
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
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
Module Efficiency(%)	19.3		19.6		19.8		20.1		20.3	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

Temperature Ratings (STC)

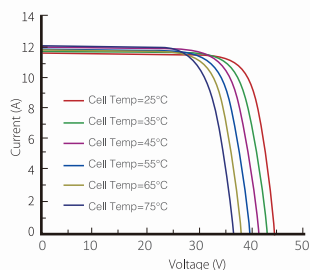
Temperature Coefficient of Isc	+0.057%/°C
Temperature Coefficient of Voc	-0.286%/°C
Temperature Coefficient of Pmax	-0.370%/°C

Mechanical Loading

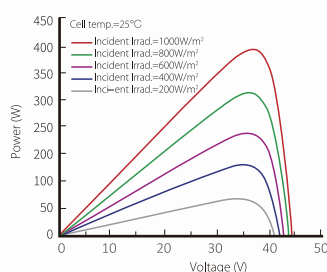
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

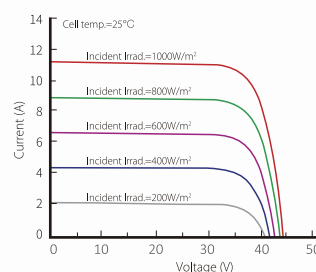
Current-Voltage Curve (LR6-72OPH-395M)



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



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



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