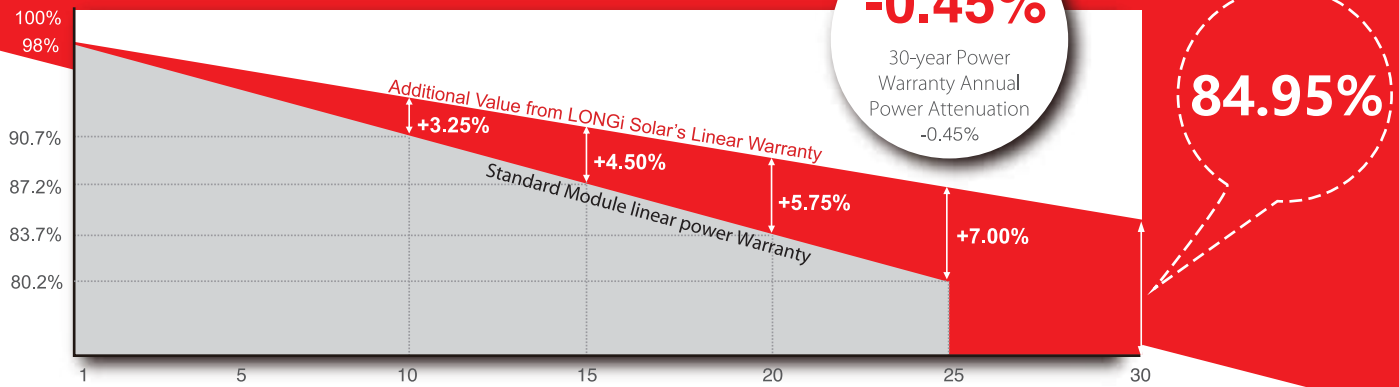


LR6-72OPD 390~410M



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

12-year Warranty for Materials and Processing;
30-year Warranty for Extra Linear Power Output



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 20.3%)

Slower power degradation enabled by Low LID Mono PERC technology: first year <2%, 0.45% year 2-30

Better energy yield with excellent low irradiance performance and temperature coefficient

Robust frame (30mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side

LONGi Green Energy Technology Co., Ltd.



Address: Level 8 / 124 Walker Street North Sydney NSW 2060 Australia

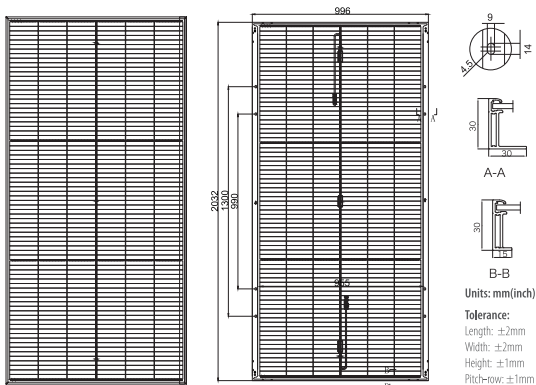
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Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi have the sole right to make such modification at anytime without further notice; Demanding party shall request 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.

LR6-72OPD 390~410M

Design (mm)



Mechanical Parameters

Cell Orientation: 6 parallels & 3 series
 Junction Box: IP67, three diodes
 Output Cable: 4mm², positive pole 800mm, negative pole 400mm, length can be customized
 Connector: PV-LRS / EVO2
 Glass: Dual Glass 2.0mm coated tempered glass
 Frame: Anodized aluminum alloy frame
 Weight: 26.0kg
 Dimension: 2032×996×30mm
 Packaging: 35pcs per pallet
 175pcs per 20'GP
 770pcs 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
 Application Class: Class II
 Bifaciality: Glazing 70±5%
 Fire Rating: Class C according to UL790

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-72OPD-390M		LR6-72OPD-395M		LR6-72OPD-400M		LR6-72OPD-405M		LR6-72OPD-410M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	390	290.0	395	293.7	400	297.4	405	301.1	410	304.9
Open Circuit Voltage (Voc/V)	52.5	48.9	52.7	49.1	52.9	49.3	53.1	49.5	53.3	49.7
Short Circuit Current (Isc/A)	9.62	7.79	9.70	7.85	9.76	7.91	9.84	7.96	9.91	8.02
Voltage at Maximum Power (Vmp/V)	43.1	40.0	43.3	40.2	43.5	40.4	43.7	40.6	43.9	40.8
Current at Maximum Power (Imp/A)	9.05	7.25	9.13	7.31	9.20	7.37	9.27	7.42	9.34	7.48
Module Efficiency(%)	19.3		19.5		19.8		20.0		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

Electrical characteristics with different rear side power gain (reference to 390W front)

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
415	52.7	10.19	43.3	9.59	5%
435	52.7	10.67	43.3	10.04	10%
454	52.8	11.16	43.4	10.50	15%
474	52.8	11.64	43.4	10.96	20%
494	52.8	12.13	43.4	11.41	25%

Temperature Ratings (STC)

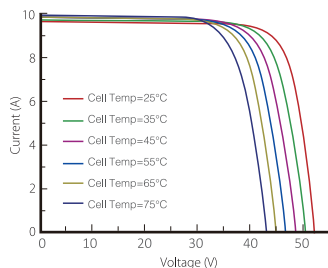
Temperature Coefficient of Isc	+0.060%/C
Temperature Coefficient of Voc	-0.300%/C
Temperature Coefficient of Pmax	-0.370%/C

Mechanical Loading

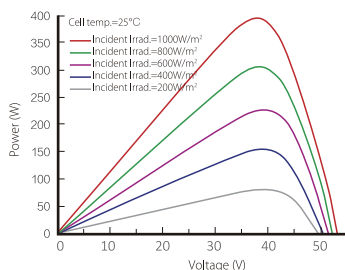
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

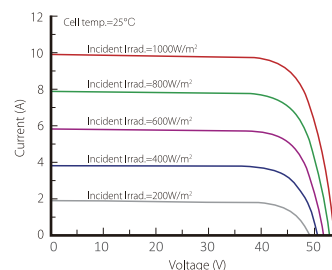
Current-Voltage Curve (LR6-72OPD-395M)



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



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



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