Hi-MO X6 Max Explorer

LR7-72HTH

605~615M

- Suitable for Distribution Market
- Simple design embodies modern style
- Highest efficiency with the best energy generation performance
- Better product warranty, better service

15 15-year Warranty for Materials and Processing

25 25-year Warranty for Extra Linear Power Output



Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO9001:2015: ISO Quality Management System

ISO14001: 2015: ISO Environment Management System

ISO45001: 2018: Occupational Health and Safety

IEC62941: Guideline for module design qualification and type approval

LONGi

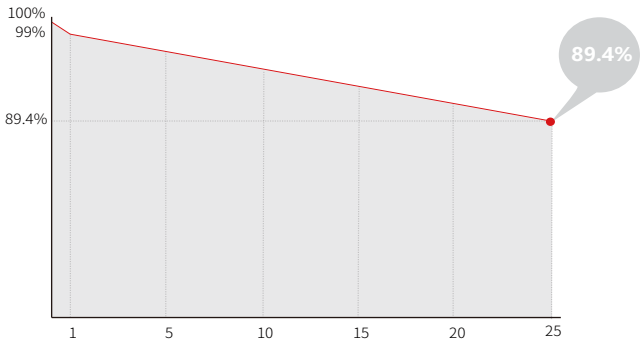
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LR7-72HTH 605~615M

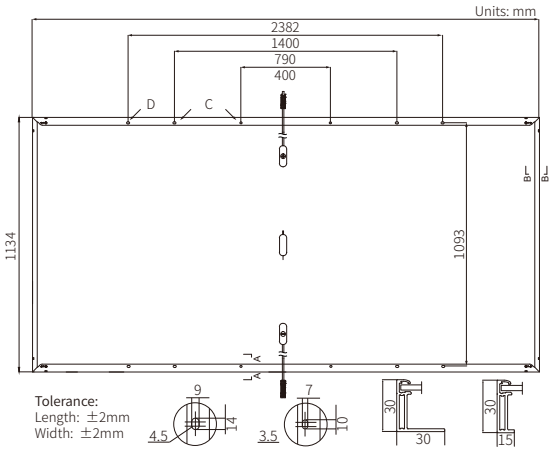
22.8%	0~5W	<1%	0.40%
MAX MODULE EFFICIENCY	POWER BINNING TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-25 POWER DEGRADATION

Additional Value

25-Year Power Warranty







Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68
Output Cable	4mm², +400, -200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	28.5kg
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20' GP / 720pcs per 40' HC
Connector	EVO2(Staubli), PV-LR5(LONGi)

Electrical Characteristics

STC : AM1.5 1000W/m² 25°C NOCT : AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ±3%

Module Type	LR7-72HTH-605M		LR7-72HTH-610M		LR7-72HTH-615M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	605	452.1	610	455.9	615	459.6
Open Circuit Voltage (Voc/V)	52.27	49.17	52.42	49.22	52.57	49.36
Short Circuit Current (Isc/A)	14.74	11.91	14.80	11.95	14.87	12.01
Voltage at Maximum Power (Vmp/V)	44.03	40.18	44.18	40.32	44.33	40.46
Current at Maximum Power (Imp/A)	13.75	11.26	13.81	11.31	13.88	11.36
Module Efficiency(%)	22.4		22.6		22.8	

Operating Parameters

Operational Temperature	-40°C ~ +40°C
Power Measurement Tolerance	±3%
Power Binning Tolerance	0~5W
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Voc&Isc Measurement Tolerance	±5%
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	IEC Class 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

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.280%/°C

LONGi

Importer: LONGi SolarAustralia Pty Ltd
Add: Level 17, 570 George Street, Sydney NSW 2000
Tel: 1800 328 888
Email: info@longi-solar.com.au
ABN: 15 632 322 288
Website: www.longi.com/au

Manufacture: LONGiGreenEnergyTechnology Co.,Ltd.
Add: No.388,Middle Hangtian Road,Chang' anDistrict , Xi' an,Shaanxi710100,P.R.China.
Websit: www.longi.com
Tel: (+86)4008-601012
Email: market@longi.com

Specifications included in this datasheet are subject to change without notice. LONGi reserves the right of final interpretation. (20240511 V2) DG
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