# Hi-MO X6 Scientist

# LR7-54HTH **470~475M**

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



25-year Warranty for Materials and Processing



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





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## LR7-54HTH 470~475M



	tength can be castornized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	21.6kg
Dimension	1800×1134×30mm
Packaging	36pcs per pallet / 216pcs per 20' GP / 864pcs per 40' HC
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#### Length: ±2mm Width: ±2mm 1 5 A-A Electrical Characteristics STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s Test uncertainty for Pmax: ±3%

Module Type	LR7-54HTH-470M	LR7-54HTH-475M
Testing Condition	STC NOCT	STC NOCT
Maximum Power (Pmax/W)	470 351.2	475 354.9
Open Circuit Voltage (Voc/V)	39.75 37.32	39.95 37.51
Short Circuit Current (Isc/A)	15.00 12.12	15.07 12.17
Voltage at Maximum Power (Vmp/V)	33.59 30.65	33.79 30.83
Current at Maximum Power (Imp/A)	13.99 11.45	14.06 11.51
Module Efficiency(%)	23.0	23.3

## **Operating Parameters**

Operational Temperature	-40°C ~ +85°C	
Power Output Tolerance	0~3%	
Maximum System Voltage	DC1500V (IEC/UL)	
Maximum Series Fuse Rating	25A	
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)**

Tolerance

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



Specifications included in this datasheet are subject to change without notice. LONGi reserves the right of final interpretation. (20240529 V2) DG

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