

Hi-MO X6^{Max} Artist

LR7-54HTB

450~470M

- Suitable for Distribution Market
- Pure black for extreme elegance
- Better 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

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



CE

Hi-MO

X6

Max

Artist

LR7-54HTB 450~470M

23.0%

MAX MODULE
EFFICIENCY

0~3%

POWER
TOLERANCE

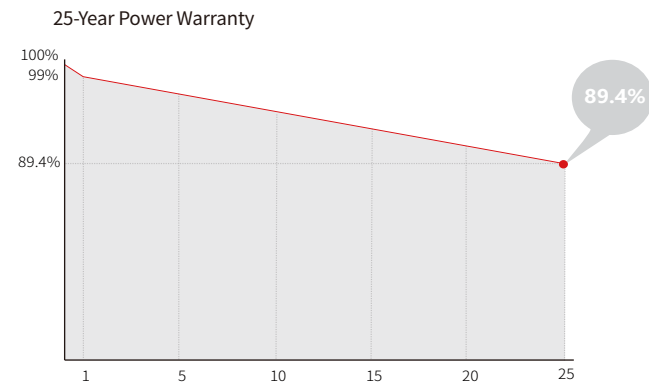
<1%

FIRST YEAR
POWER DEGRADATION

0.40%

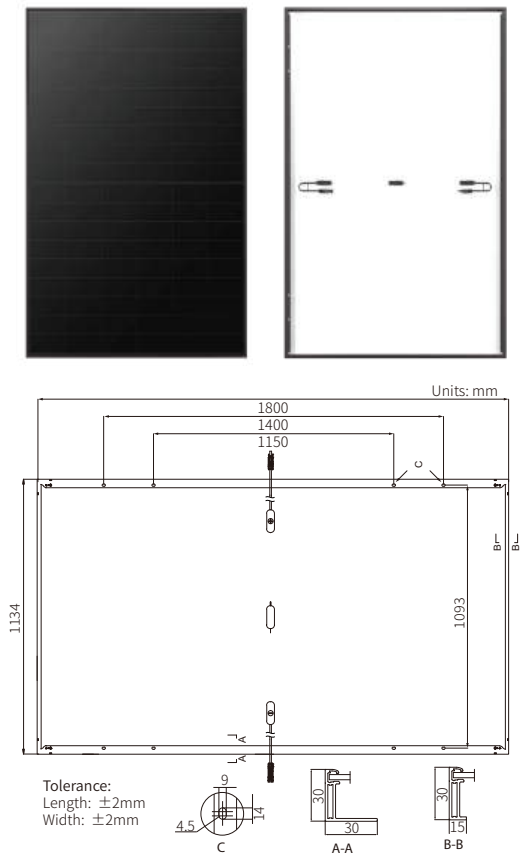
YEAR 2-25
POWER DEGRADATION

Additional Value



Mechanical Parameters

Cell Orientation	108 (6×18)
Junction Box	IP68
Output Cable	4mm², ±1200mm length can be customized
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



Electrical Characteristics	STC : AM1.5 1000W/m² 25°C		NOCT : AM1.5 800W/m² 20°C 1m/s		Test uncertainty for Pmax: ±3%	
	LR7-54HTB-450M		LR7-54HTB-455M		LR7-54HTB-460M	
Module Type	LR7-54HTB-450M		LR7-54HTB-455M		LR7-54HTB-460M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	450	336	455	340	460	344
Open Circuit Voltage (Voc/V)	39.11	36.72	39.31	36.91	39.51	37.10
Short Circuit Current (Isc/A)	14.63	11.81	14.70	11.87	14.77	11.93
Voltage at Maximum Power (Vmp/V)	32.94	30.06	33.14	30.24	33.34	30.42
Current at Maximum Power (Imp/A)	13.67	11.19	13.73	11.25	13.80	11.31
Module Efficiency(%)	22.1%		22.3%		22.5%	

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
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)

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. (20240715 V2) DG