Hi-MO X10 Guardian Anti-Glare

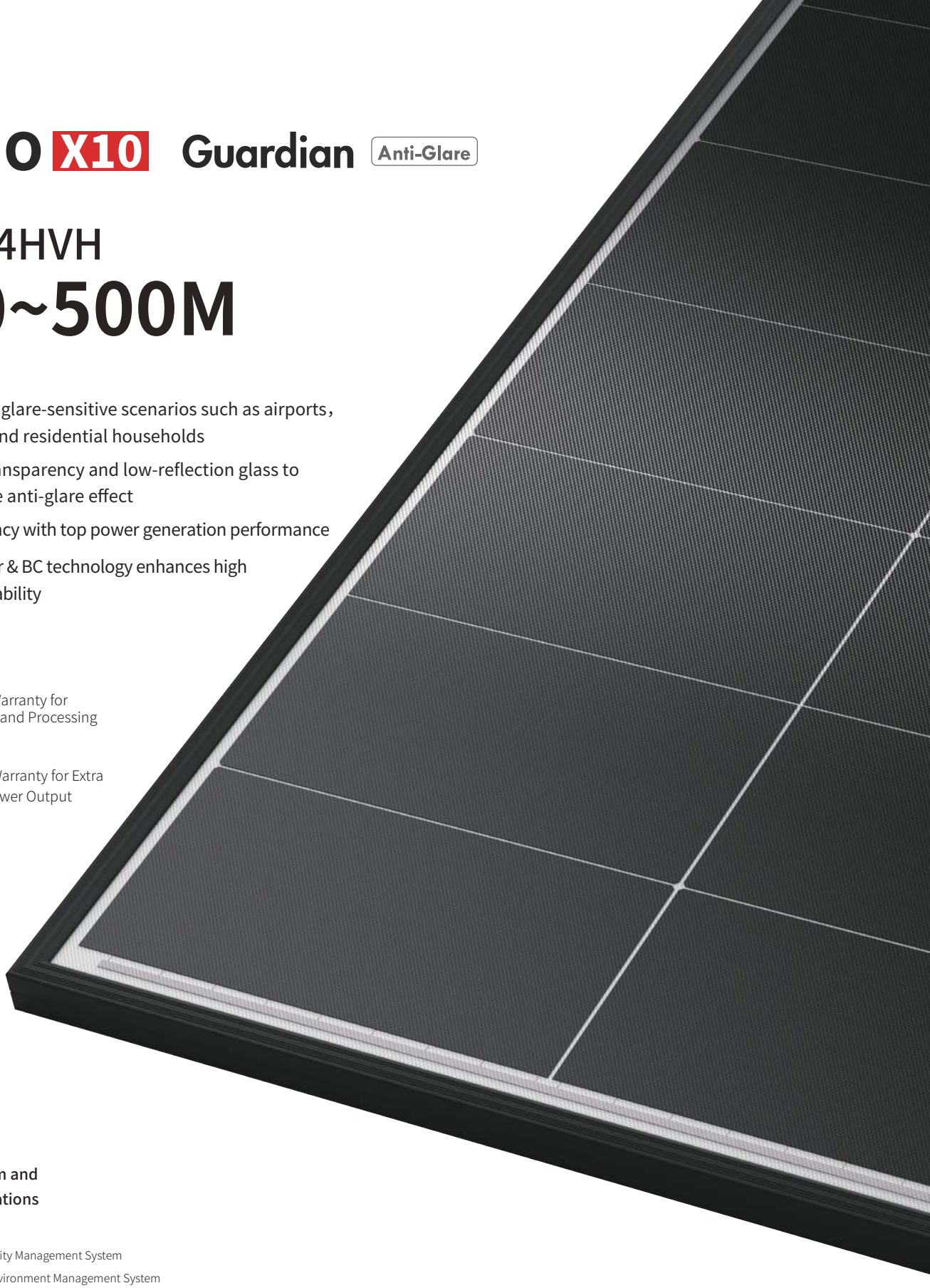
LR7-54HVH

480~500M

- Suitable for glare-sensitive scenarios such as airports, highways, and residential households
- Use high-transparency and low-reflection glass to enhance the anti-glare effect
- Peak efficiency with top power generation performance
- TaiRay wafer & BC technology enhances high product reliability

15 15-year Warranty for Materials and Processing

30 30-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

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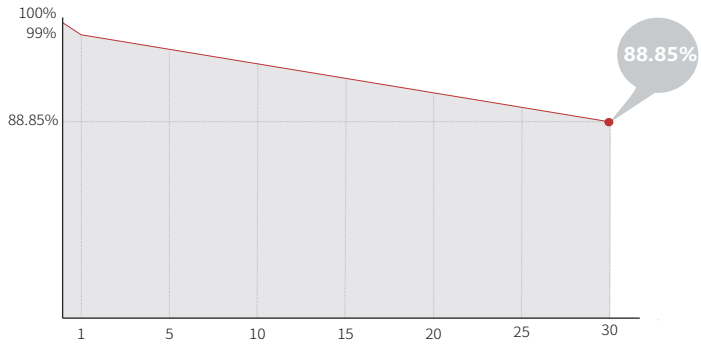
Hi-MO X10 Guardian Anti-Glare

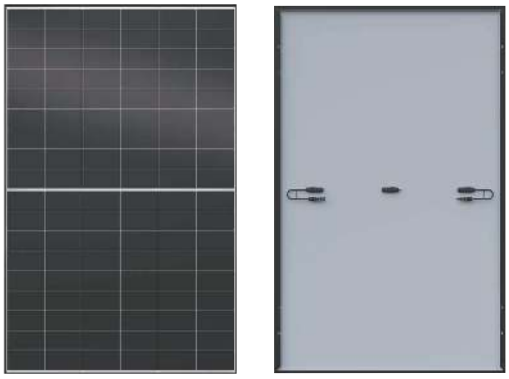
LR7-54HVH 480~500M

24.5%	0~3%	<1%	0.35%	BC-CELL
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

Additional Value

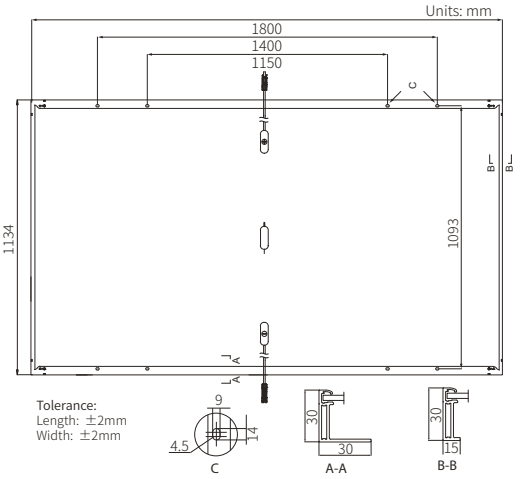
30-Year Power Warranty





Mechanical Parameters

Cell Orientation	108 (6×18)
Junction Box	IP68, three diodes
Output Cable	4mm², +400, -200mm/±1200mm length can be customized
Glass	Single glass, 3.2mm anti-glare 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%

Module Type	LR7-54HVH-480M	LR7-54HVH-485M	LR7-54HVH-490M	LR7-54HVH-495M	LR7-54HVH-500M
Testing Condition	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	480	485	490	495	500
Open Circuit Voltage (Voc/V)	40.29	40.40	40.52	40.64	40.75
Short Circuit Current (Isc/A)	15.13	15.23	15.33	15.43	15.53
Voltage at Maximum Power (Vmp/V)	33.28	33.40	33.51	33.62	33.73
Current at Maximum Power (Imp/A)	14.43	14.53	14.63	14.73	14.83
Module Efficiency(%)	23.5	23.8	24.0	24.3	24.5

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	-0.200%/°C
Temperature Coefficient of Pmax	-0.260%/°C

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Specifications included in this datasheet are subject to change without notice.
LONGi reserves the right of final interpretation. (BGV03 20250813)