Hi-MO X10

LR7-54HVD (Transparent design)

465~495M

- Simple design embodies modern style
- Highest efficiency with the best energy generation performance
- N-type TaiRay wafer & HPBC2.0 & 0BB innovative structure
- O-Anti-Shading & Prevent Localized Overheating

15 25-year Warranty for Materials and Processing

30 30-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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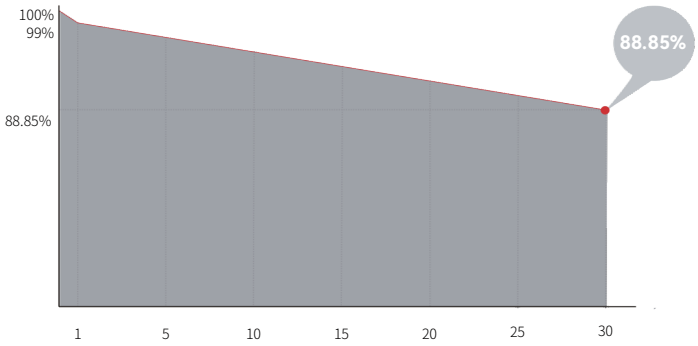
Hi-MO X10

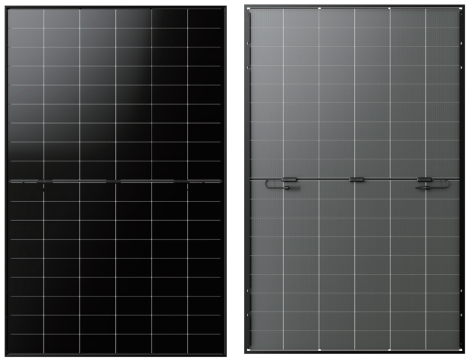
LR7-54HVD 465~495M

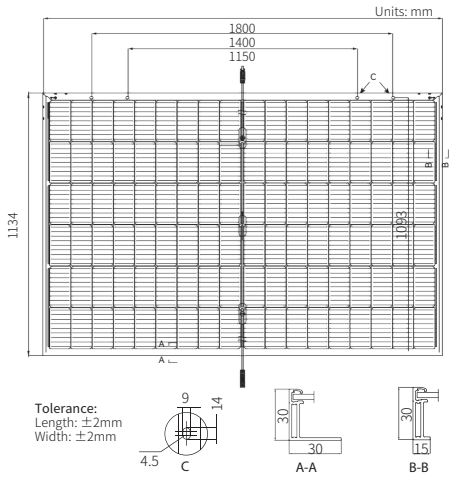
24.5%	0~3%	<1%	0.35%	BC-CELL
EFFICIENCY	TOLERANCE	FIRST YEAR POWER DEGRADATION	POWER DEGRADATION	LOWER OPERATING TEMPERATURE

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	Double glass 2.0mm coated tempered glass+1.6mm semi-tempered glass
Frame	Black anodized aluminum alloy frame
Weight	23.5kg
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	LR7-54HVD-465M		LR7-54HVD-470M		LR7-54HVD-475M		LR7-54HVD-480M		LR7-54HVD-485M		LR7-54HVD-490M		LR7-54HVD-495M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	465	353	470	357	475	361	480	365	485	369	490	373	495	377
Open Circuit Voltage (Voc/V)	40.20	38.17	40.31	38.28	40.42	38.39	40.53	38.50	40.64	38.61	40.75	38.73	40.86	38.84
Short Circuit Current (Isc/A)	14.68	11.75	14.78	11.84	14.88	11.93	14.98	12.02	15.08	12.10	15.18	12.19	15.28	12.27
Voltage at Maximum Power (Vmp/V)	33.18	31.49	33.29	31.60	33.40	31.71	33.51	31.82	33.62	31.93	33.73	32.05	33.84	32.16
Current at Maximum Power (Imp/A)	14.02	11.21	14.13	11.30	14.23	11.39	14.33	11.48	14.43	11.56	14.53	11.65	14.63	11.73
Module Efficiency(%)	22.8		23.0		23.3		23.5		23.8		24.0		24.3	

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Bifaciality	70±5%
Fire Rating	IEC Class C

Mechanical Loading

Front Side Maximum Static	5400Pa
Loading Rear Side Maximum	2400Pa
Static Loading 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.(20250911 BGV01)