Hi-MO X10

LR7-72HVH

640~670M

Advanced Technology
Superior efficiency for higher energy output.

Aesthetic
Gridless design that blends seamlessly into any environment.

Shading Management
Ensures optimal performance and safety against hotspots.

Safety
Prevents overheating, with lower temperatures under shading conditions.

HPBC 2.0 | TaiRay | N-type

Monofacial Power Generation

15Y Product Warranty | 30Y Performance Warranty

Complete System and Product Certifications

IEC61215, IEC 61730

ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety

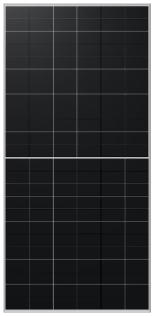
IEC62941: Quality System for PV Manufacturing



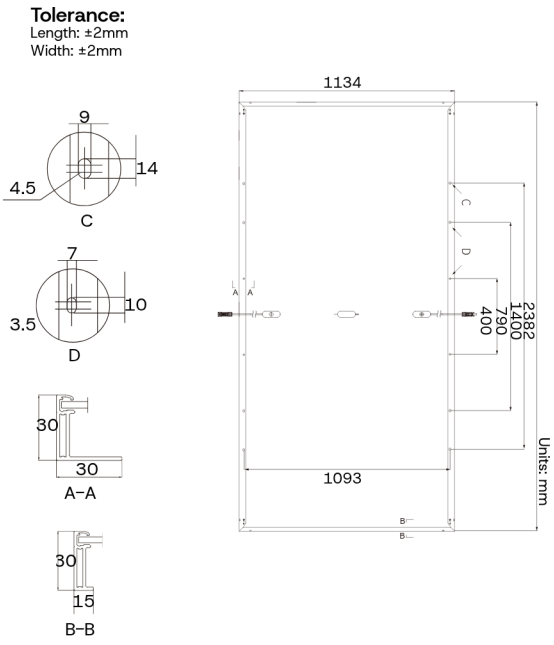
Hi-MO X10

LR7-72HVH

24.8%	0~3%	1%	0.35%	BC-CELL
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE







Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm2, +400, -200mm/±1400mm length can be customized
Connector	EVO2A(Staubli) or PV-LR5(LONGi)
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	28.5 kg
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20' GP / 720pcs per 40' HC

Electrical Characteristics

STC : AM1.5 1000W/m2 25℃ NOCT : AM1.5 800W/m2 20℃ 1m/s

Test uncertainty for Pmax ±3%

Module Type	LR7-72HVH-640M	LR7-72HVH-645M	LR7-72HVH-650M	LR7-72HVH-655M	LR7-72HVH-660M	LR7-72HVH-665M	LR7-72HVH-670M
Testing Condition	STC	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	640	645	650	655	660	665	670
Open Circuit Voltage (Voc/V)	53.70	53.80	53.90	54.00	54.10	54.20	54.30
Short Circuit Current (Isc/A)	15.13	15.21	15.29	15.37	15.45	15.52	15.60
Voltage at Maximum Power (Vmp/V)	44.36	44.46	44.56	44.66	44.76	44.86	44.96
Current at Maximum Power (Imp/A)	14.43	14.51	14.59	14.67	14.75	14.83	14.91
Module Efficiency(%)	23.69	23.88	24.06	24.25	24.43	24.62	24.80

Operating Parameters

Operational Temperature	-40℃ ~ +85℃
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2℃
Protection Class	Class II
Fire Rating	IEC Class C

Mechanical Loading

Min Designed Mechanical Load	1600Pa/1600Pa
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Resistance	40mm Hailstone at the speed of 27.54m/s - RG4

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/℃
Temperature Coefficient of Voc	-0.200%/℃
Temperature Coefficient of Pmax	-0.260%/℃

LONGi SOLAR

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