

Hi-MO X10 Explorer

LR7-72HVV
630~650M

- Suitable for Distribution Market
- Highest efficiency with the best energy generation performance
- TaiRay wafer & BC technology enhances high product reliability
- Smart manufacturing & LONGi product lifecycle standards deliver exceptional product quality

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, 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

LONGi



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24.1%
MAX MODULE
EFFICIENCY

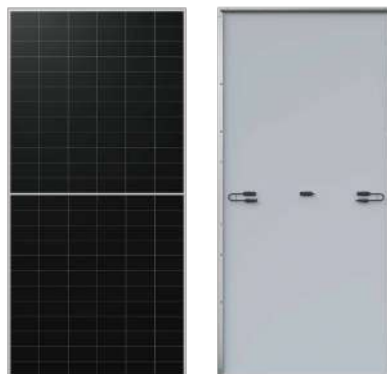
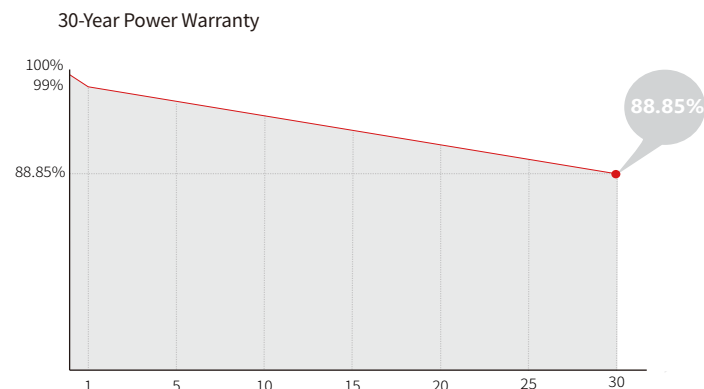
0~3%
POWER
TOL FRANCE

<1%
FIRST YEAR
POWER DEGRADATION

0.35%
YEAR 2-30
POWER DEGRADATION

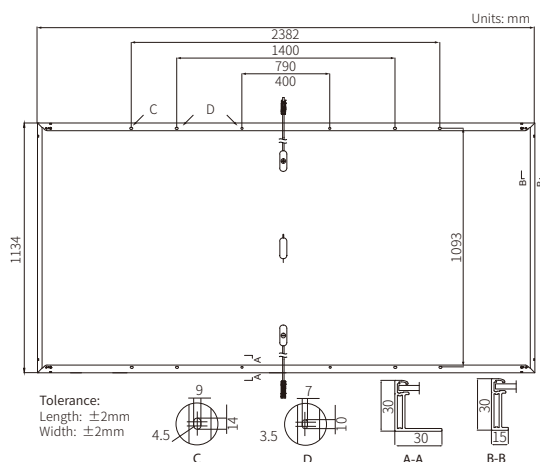
BC-CELL

Additional Value



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm², +40V, -200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	28.5kg
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20' GP / 720pcs 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: $\pm 3\%$

Module Type	LRT-72HVVH-630M		LRT-72HVVH-635M		LRT-72HVVH-640M		LRT-72HVVH-645M		LRT-72HVVH-650M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	630	480	635	483	640	487	645	491	650	495
Open Circuit Voltage (Voc/V)	53.50	50.84	53.60	50.94	53.70	51.04	53.80	51.13	53.90	51.23
Short Circuit Current (Isc/A)	14.97	12.02	15.05	12.09	15.13	12.15	15.21	12.22	15.29	12.28
Voltage at Maximum Power (Vmp/V)	44.16	41.96	44.26	42.06	44.36	42.15	44.46	42.25	44.56	42.35
Current at Maximum Power (Imp/A)	14.27	11.44	14.35	11.50	14.43	11.56	14.51	11.63	14.59	11.69
Module Efficiency(%)	23.3		23.5		23.7		23.9		24.1	

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 I_{sc}	+0.050%/°C
Temperature Coefficient of V_{oc}	-0.200%/°C
Temperature Coefficient of P_{max}	-0.260%/°C