LONGi SOLAR

Hi-MO X10 Black

LR7-72HVB

640~670M

- Ungrounded design structure for worry-free power generation
- Super corrosion resistance against salt spray, acid & alkali
- Lightweight Design, Reduces Roof Load, Simplifies Installation
- aesthetic+BC tech for high-efficiency power output

HPBC 2.0 | TaiRay | N-type

Monofacial Power Generation

15Y Product Warranty | **30Y** Performance Warranty

Complete System and Product Certifications

IEC 61215,IEC 61730

IEC62941:Guideline for module design qualification and type approval

ISO9001:Quality Management System

ISO14001:Environment Management System

ISO45001:Occupational Health and Safety

TÜVRheinland CERTIFIED | TÜV SÜD | CE | TIER 1 Bloomberg NEW ENERGY FINANCE



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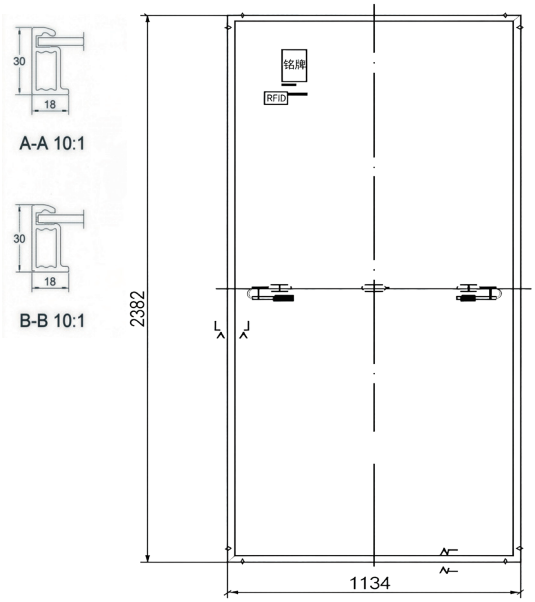
LR7-72HVB 640~670M

24.80%	1%	0.35%	-0.26%/℃
MAX MODULE EFFICIENCY	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	BETTER TEMPERATUR COEFFICIENT





Tolerance:
Length: ±2mm
Width: ±2mm



Units: mm

Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm²;+400/-200mm/±1400mm length can be customized
Glass	Single glass, 2.5mm coated tempered glass
Frame	Composite frame
Weight	24.4 kg
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20'GP / 720pcs per 40'HC

Remark: 17.5m trucks are rated at 30t load. Actual loading quantity is subject to vehicle specs.

Electrical Characteristics

·STC: Irradiance1000W/m², Cell Temperature 25℃, AM1.5 (Test uncertainty for Pmax: ±3%)

Module Type	LR7-72HVB-640M	LR7-72HVB-645M	LR7-72HVB-650M	LR7-72HVB-655M	LR7-72HVB-660M	LR7-72HVB-665M	LR7-72HVB-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℃ ~ +70℃
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

*Operating temperature of PV Module T98: 70℃

Mechanical Loading

Min Designed Mechanical Load	1600Pa/1600Pa
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%/℃
Temperature Coefficient of Voc	-0.200%/℃
Temperature Coefficient of Pmax	-0.260%/℃

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*Specifications included in this datasheet are subject to change without notice.LONGi reserves the right of final interpretation. (BGV03 20260901)