

Hi-MO X6 Guardian Anti-Dust

LR7-72HTHF 605~630M

(L2)

- Equipped with HPBC cell, inheriting high-efficiency gene
- Unique frame design effectively reduces the impact of dust accumulation and improves power generation gain throughout the entire lifecycle
- High reliability, stable operation under harsh conditions
- More suitable for industrial and commercial color steel tile roofs and small angle installation scenarios



15-year Warranty for
Materials and Processing



25-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



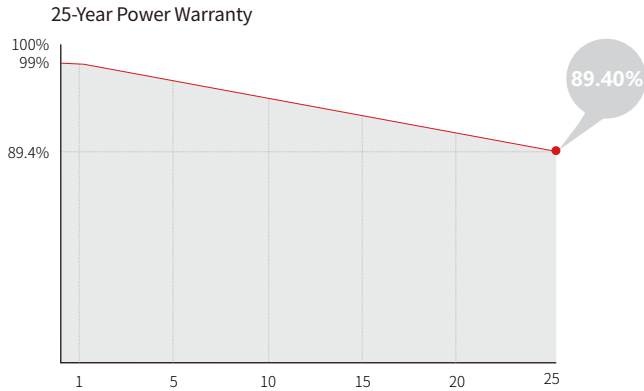
23.3%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

<1%
FIRST YEAR
POWER DEGRADATION

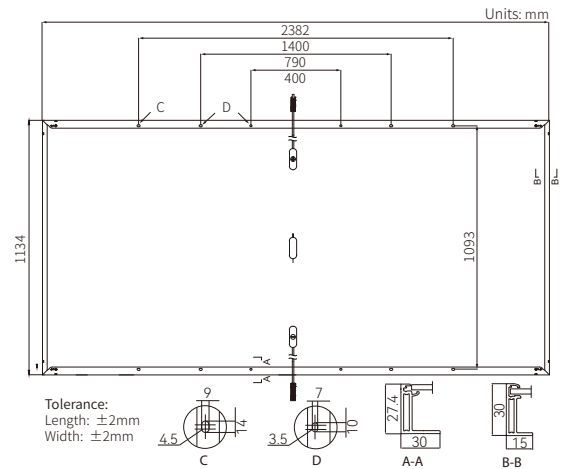
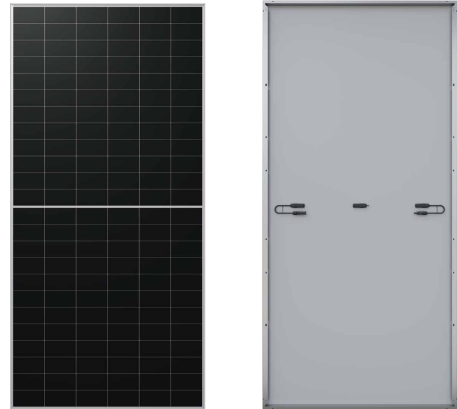
0.40%
YEAR 2-25
POWER DEGRADATION

Additional Value



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68
Output Cable	4mm ² , +400, -200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	28.5kg
Dimension	2282×1134×30mm
Packaging	35pcs per pallet / 140pcs per 20' GP / 700pcs per 40' HC



Electrical Characteristics

STC: AM1.5 1000W/m² 25°C

NOCT: AM1.5 800W/m² 20°C 1m/s

Test uncertainty for P_{max}: ±3%

Module Type	LR7-72HTHF-605M		LR7-72HTHF-610M		LR7-72HTHF-615M		LR7-72HTHF-620M		LR7-72HTHF-625M		LR7-72HTHF-630M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	605	452.1	610	455.9	615	459.6	620	463.4	625	467.1	630	470.8
Open Circuit Voltage (V _{oc} /V)	52.27	49.2	52.42	49.22	52.57	49.36	52.72	49.50	52.9	49.6	53.02	49.78
Short Circuit Current (I _{sc} /A)	14.74	11.9	14.80	11.95	14.86	12.00	14.94	12.07	15.0	12.1	15.07	12.17
Voltage at Maximum Power (V _{mp} /V)	44.03	40.2	44.18	40.32	44.33	40.46	44.48	40.59	44.6	40.7	44.78	40.87
Current at Maximum Power (I _{mp} /A)	13.75	11.3	13.81	11.31	13.88	11.36	13.94	11.42	14.0	11.5	14.07	11.52
Module Efficiency(%)	22.4%		22.6%		22.8%		23.0%		23.1%		23.3%	

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}	-0.230%/°C
Temperature Coefficient of P _{max}	-0.280%/°C