

Hi-MO X6 Guardian Anti-Dust

LR7-60HTHF 505~525M

(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

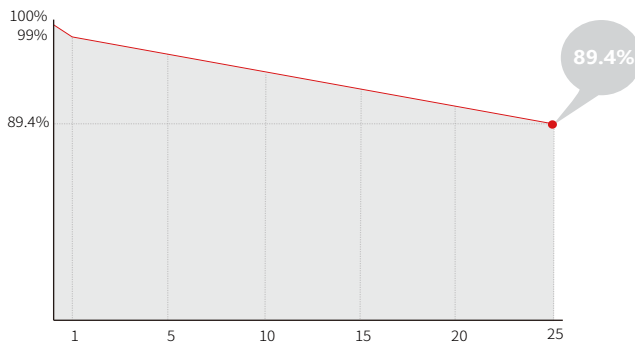
0~3%
POWER
TOLERANCE

<1%
FIRST YEAR
POWER DEGRADATION

0.40%
YEAR 2-25
POWER DEGRADATION

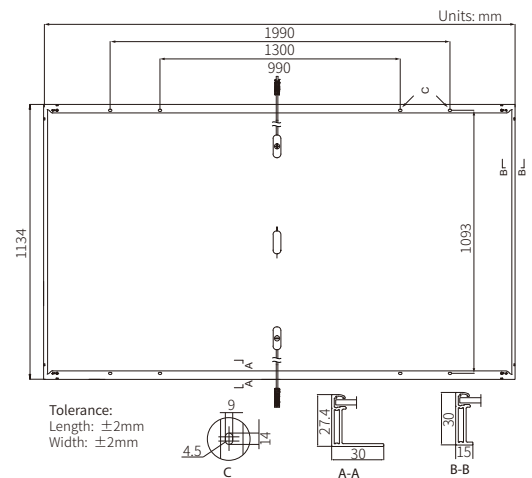
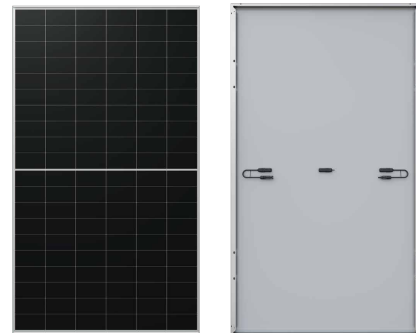
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	120(6×20)
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	24.5kg
Dimension	1990×1134×30mm
Packaging	35pcs per pallet / 175pcs per 20' GP / 770pcs 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	LR7-60HTHF-505M		LR7-60HTHF-510M		LR7-60HTHF-515M		LR7-60HTHF-520M		LR7-60HTHF-525M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	505	377.3	510	381.0	515	384.7	520	388.4	525	392.2
Open Circuit Voltage (Voc/V)	43.50	40.84	43.70	41.03	43.90	41.21	44.10	41.40	44.30	41.59
Short Circuit Current (Isc/A)	14.77	11.92	14.83	11.97	14.89	12.02	14.94	12.07	15.00	12.11
Voltage at Maximum Power (Vmp/V)	36.64	33.44	36.84	33.63	37.04	33.81	37.24	33.99	37.44	34.18
Current at Maximum Power (Imp/A)	13.79	11.29	13.85	11.34	13.91	11.39	13.97	11.44	14.03	11.48
Module Efficiency(%)	22.4%		22.6%		22.8%		23.0%		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 Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.280%/°C