Hi-MO X6 Scientist

LR7-72HTH 620~630M

- Suitable for Distribution Market
- Simple design embodies modern style
- Highest efficiency with the best energy generation performance
- Better product warranty, better service



15-year Warranty for Materials and Processing



25-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











LR7-72HTH 620~630M

23.3%

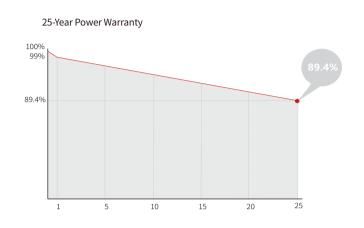
MAX MODULE

EFFICIENCY

0~3%
POWER
TOLERANCE

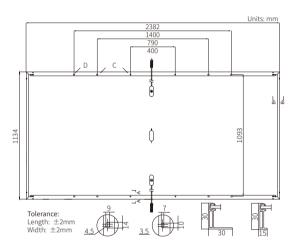
<1% FIRST YEAR POWER DEGRADATION 0.40% YEAR 2-25 POWER DEGRADATION

Additional Value



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68
Output Cable	4mm 2 , +400, -200mm/ \pm 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/m ² 25°C		NOCT: AM1.5 800W/m ² 20°C 1m/s		Test uncertainty for Pmax: ±3%	
Module Type	LR7-72H	TH-620M	LR7-72F	ITH-625M	LR7-72H	HTH-630M
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	620	463.4	625	467.1	630	470.8
Open Circuit Voltage (Voc/V)	52.72	49.59	52.87	49.64	53.02	49.78
Short Circuit Current (Isc/A)	14.93	12.06	15.01	12.12	15.07	12.17
Voltage at Maximum Power (Vmp/V)	44.48	40.59	44.63	40.73	44.78	40.87
Current at Maximum Power (Imp/A)	13.94	11.42	14.01	11.47	14.07	11.52
Module Efficiency(%)	23	3.0	2	3.1	2	3.3

Operating Parameters

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

Mechanical Loading

Temperature Coefficient of Pmax

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		



-0.280%/°C