Hi-MO 6 Scientist

LR5-72HTH 590~600M

- 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









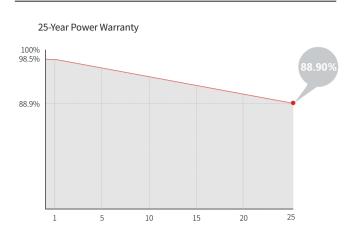


LR5-72HTH 590~600M

23.2% MAX MODULE EFFICIENCY 0~3%
POWER
TOLERANCE

<1.5% FIRST YEAR POWER DEGRADATION 0.40% YEAR 2-25 POWER DEGRADATION

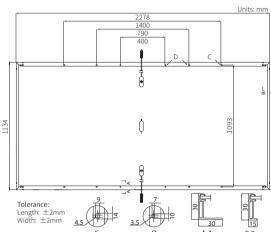
Additional Value



Mechanical Parameters

Cell Orientation	144 (6×24)	
Junction Box	IP68	
Output Cable	4 mm 2 , $+400$, -200 mm/ ± 1400 mm length can be customized	
Glass	Single glass, 3.2mm coated tempered glass	
Frame	Anodized aluminum alloy frame	
Weight	27.2kg	
Dimension	2278×1134×30mm	
Packaging	36pcs per pallet / 180pcs 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	LR5-72HTH-590M	LR5-72HTH-595M	LR5-72HTH-600M
Testing Condition	STC NOCT	STC NOCT	STC NOCT
Maximum Power (Pmax/W)	590 441	595 445	600 448
Open Circuit Voltage (Voc/V)	52.51 49.30	52.66 49.44	52.81 49.58
Short Circuit Current (Isc/A)	14.33 11.57	14.40 11.63	14.46 11.68
Voltage at Maximum Power (Vmp/V)	44.36 40.48	44.51 40.62	44.66 40.75
Current at Maximum Power (Imp/A)	13.31 10.90	13.37 10.97	13.44 11.00
Module Efficiency(%)	22.8	23.0	23.2

Operating Parameters

Operational Temperature	-40°C ~ +85°C	
Power Output Tolerance	0 ~ 3%	
Voc and Isc Tolerance	±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	UL type 1 or 2 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	-0.290%/°C

