

# Hi-MO 6

Explorer

## LR5-72HTH 560~580M

- Suitable for Distribution Market
- Simple design embodies modern style
- Better energy generation performance
- High-quality module guarantees long-term reliability

15

15-year Warranty for  
Materials and Processing

25

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

# LONGi



**22.5%**  
MAX MODULE  
EFFICIENCY

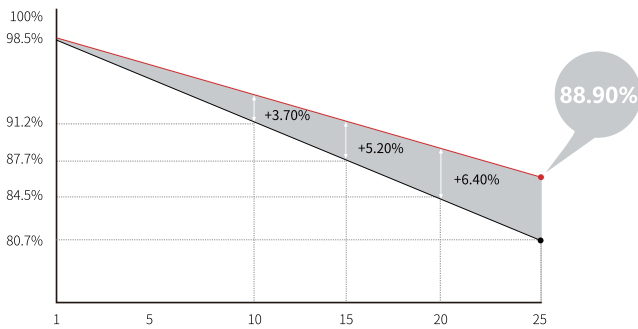
**0~3%**  
POWER  
TOLERANCE

**<1.5%**  
FIRST YEAR  
POWER DEGRADATION

**0.40%**  
YEAR 2-25  
POWER DEGRADATION

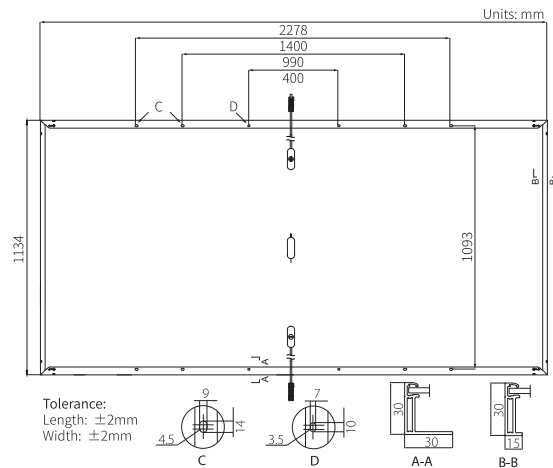
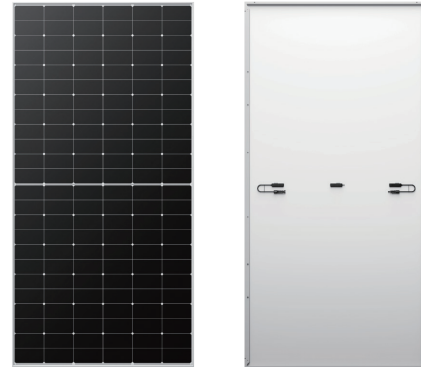
## Additional Value

25-Year Power Warranty



## Mechanical Parameters

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| Cell Orientation | 144 (6×24)                                                          |
| Junction Box     | IP68                                                                |
| Output Cable     | 4mm <sup>2</sup> , +400, -200mm/±1400mm<br>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<sup>2</sup> 25°C

NOCT : AM1.5 800W/m<sup>2</sup> 20°C 1m/s

Test uncertainty for Pmax: ±3%

| Module Type                      | LR5-72HTH-560M |       | LR5-72HTH-565M |       | LR5-72HTH-570M |       | LR5-72HTH-575M |       | LR5-72HTH-580M |       |
|----------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| Testing Condition                | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Maximum Power (Pmax/W)           | 560            | 418   | 565            | 422   | 570            | 426   | 575            | 430   | 580            | 433   |
| Open Circuit Voltage (Voc/V)     | 51.61          | 48.46 | 51.76          | 48.60 | 51.91          | 48.74 | 52.06          | 48.88 | 52.21          | 49.02 |
| Short Circuit Current (Isc/A)    | 13.94          | 11.26 | 14.01          | 11.31 | 14.07          | 11.36 | 14.14          | 11.42 | 14.20          | 11.47 |
| Voltage at Maximum Power (Vmp/V) | 43.46          | 39.66 | 43.61          | 39.79 | 43.76          | 39.93 | 43.91          | 40.07 | 44.06          | 40.20 |
| Current at Maximum Power (Imp/A) | 12.89          | 10.55 | 12.96          | 10.61 | 13.03          | 10.67 | 13.10          | 10.72 | 13.17          | 10.78 |
| Module Efficiency(%)             | 21.7           |       | 21.9           |       | 22.1           |       | 22.3           |       | 22.5           |       |

## 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<br>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 |