

# Hi-MO 6

Explorer

## LR5-72HTD

# 550~580M

- Based on M10 wafer, best choice for ultra-large power plants
- High module quality ensures long-term reliability

12

12-year Warranty for  
Materials and Processing

30

30-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

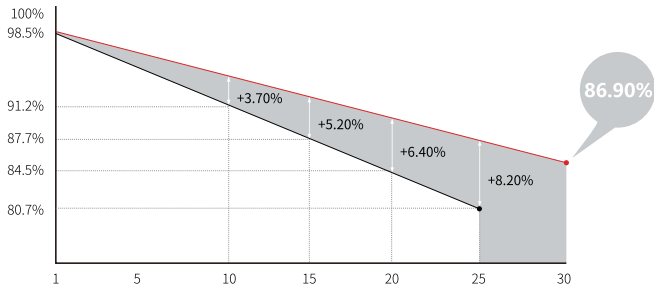
**0~3%**  
POWER  
TOLERANCE

**<1.5%**  
FIRST YEAR  
POWER DEGRADATION

**0.40%**  
YEAR 2-30  
POWER DEGRADATION

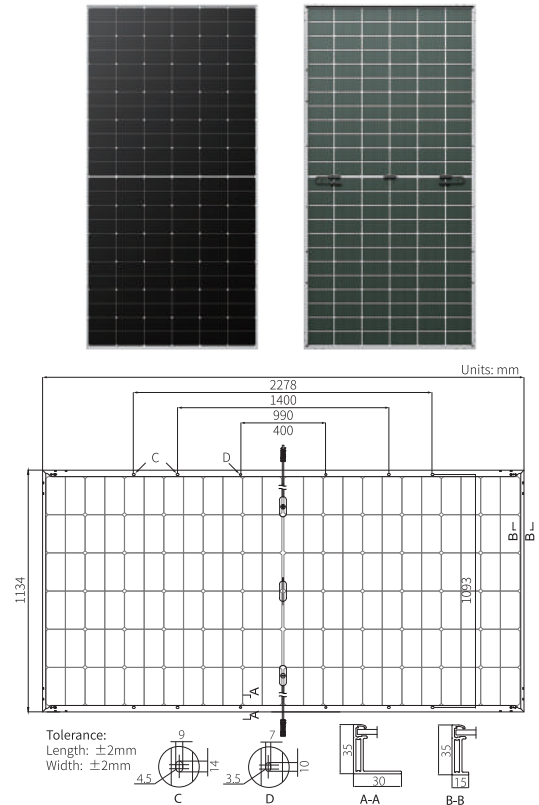
## Additional Value

### 30-Year Power Warranty



## Mechanical Parameters

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| Cell Orientation | 144 (6×24)                                                          |
| Junction Box     | IP68, three diodes                                                  |
| Output Cable     | 4mm <sup>2</sup> , +400, -200mm/±1400mm<br>length can be customized |
| Glass            | Dual glass, 2.0mm coated semi tempered glass                        |
| Frame            | Anodized aluminum alloy frame                                       |
| Weight           | 32.6kg                                                              |
| Dimension        | 2278×1134×35mm                                                      |
| Packaging        | 31pcs per pallet / 155pcs per 20' GP / 620pcs 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                      | LR5-72HTD-550M |       | LR5-72HTD-555M |       | LR5-72HTD-560M |       | LR5-72HTD-565M |       | LR5-72HTD-570M |       | LR5-72HTD-575M |       | LR5-72HTD-580M |       |
|----------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| Testing Condition                | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Maximum Power (Pmax/W)           | 550            | 411   | 555            | 415   | 560            | 418   | 565            | 422   | 570            | 426   | 575            | 430   | 580            | 433   |
| Open Circuit Voltage (Voc/V)     | 51.40          | 48.26 | 51.55          | 48.40 | 51.70          | 48.54 | 51.85          | 48.68 | 52.00          | 48.82 | 52.15          | 48.96 | 52.30          | 49.10 |
| Short Circuit Current (Isc/A)    | 13.74          | 11.10 | 13.80          | 11.15 | 13.87          | 11.20 | 13.93          | 11.25 | 14.00          | 11.31 | 14.06          | 11.36 | 14.13          | 11.41 |
| Voltage at Maximum Power (Vmp/V) | 42.95          | 39.19 | 43.10          | 39.33 | 43.25          | 39.47 | 43.40          | 39.60 | 43.55          | 39.74 | 43.70          | 39.88 | 43.85          | 40.01 |
| Current at Maximum Power (Imp/A) | 12.82          | 10.49 | 12.88          | 10.54 | 12.95          | 10.60 | 13.02          | 10.66 | 13.09          | 10.72 | 13.16          | 10.78 | 13.23          | 10.83 |
| Module Efficiency(%)             | 21.3           |       | 21.5           |       | 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         | 30A                       |
| Nominal Operating Cell Temperature | 45±2°C                    |
| Protection Class                   | Class II                  |
| Bifaciality                        | 60±5%                     |
| Fire Rating                        | UL type 29<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 |