

Annexe 9 – Fiche techniques des modules photovoltaïques Longi560

Hi-MO 5<sub>m</sub>

LR5-72HPH 540~560M

21.7%  
MAX MODULE  
EFFICIENCY

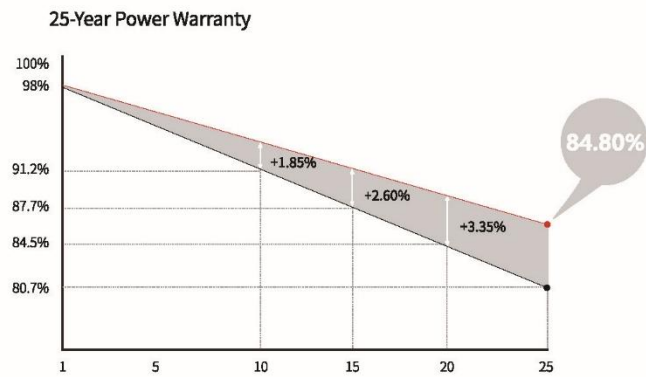
0~3%  
POWER  
TOLERANCE

<2%  
FIRST YEAR  
POWER DEGRADATION

0.55%  
YEAR 2-25  
POWER DEGRADATION

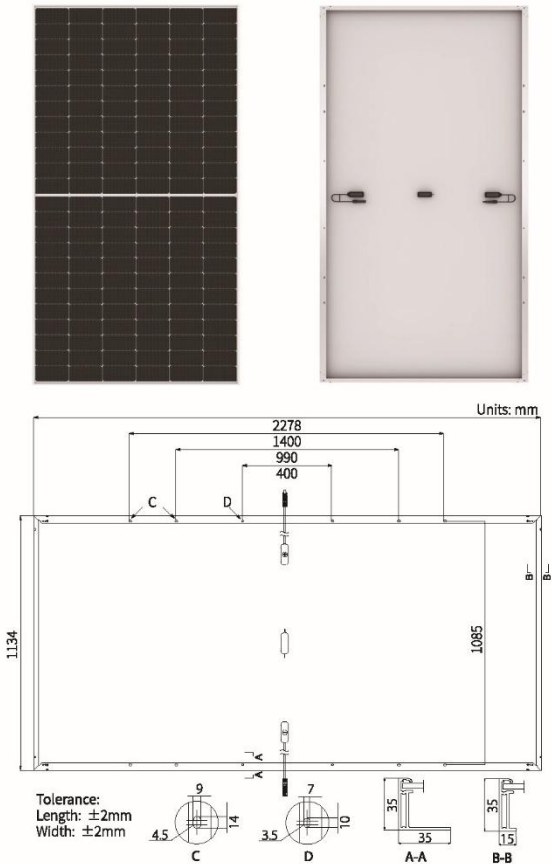
HALF-CELL  
Lower operating temperature

Additional Value



Mechanical Parameters

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Cell Orientation | 144 (6×24)                                               |
| Junction Box     | IP68, three diodes                                       |
| Output Cable     | 4mm², +400, -200mm/±1400mm<br>length can be customized   |
| Glass            | Single glass, 3.2mm coated tempered glass                |
| Frame            | Anodized aluminum alloy frame                            |
| Weight           | 27.5kg                                                   |
| Dimension        | 2278×1134×35mm                                           |
| Packaging        | 31pcs per pallet / 155pcs per 20' GP / 620pcs 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% |                |
|----------------------------------|---------------------------|----------------|--------------------------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|----------------|
|                                  | LR5-72HPH-540M            | LR5-72HPH-545M | LR5-72HPH-550M                 | LR5-72HPH-555M | LR5-72HPH-560M | LR5-72HPH-560M | LR5-72HPH-560M | LR5-72HPH-560M | LR5-72HPH-560M                 | LR5-72HPH-560M |
| Module Type                      | LR5-72HPH-540M            | LR5-72HPH-545M | LR5-72HPH-550M                 | LR5-72HPH-555M | LR5-72HPH-560M | LR5-72HPH-560M | LR5-72HPH-560M | LR5-72HPH-560M | LR5-72HPH-560M                 | LR5-72HPH-560M |
| Testing Condition                | STC                       | NOCT           | STC                            | NOCT           | STC            | NOCT           | STC            | NOCT           | STC                            | NOCT           |
| Maximum Power (Pmax/W)           | 540                       | 403.6          | 545                            | 407.4          | 550            | 411.1          | 555            | 414.8          | 560                            | 418.6          |
| Open Circuit Voltage (Voc/V)     | 49.50                     | 46.54          | 49.65                          | 46.68          | 49.80          | 46.82          | 49.95          | 46.97          | 50.10                          | 47.11          |
| Short Circuit Current (Isc/A)    | 13.85                     | 11.20          | 13.92                          | 11.25          | 13.98          | 11.31          | 14.04          | 11.35          | 14.10                          | 11.40          |
| Voltage at Maximum Power (Vmp/V) | 41.65                     | 38.69          | 41.80                          | 38.83          | 41.95          | 38.97          | 42.10          | 39.11          | 42.25                          | 39.25          |
| Current at Maximum Power (Imp/A) | 12.97                     | 10.43          | 13.04                          | 10.49          | 13.12          | 10.56          | 13.19          | 10.61          | 13.26                          | 10.67          |
| Module Efficiency(%)             | 20.9                      |                | 21.1                           |                | 21.3           |                | 21.5           |                | 21.7                           |                |

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  | -0.265%/°C |
| Temperature Coefficient of Pmax | -0.340%/°C |



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Specifications included in this datasheet  
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