

Hi-MO **5m**

LR5-72HPH 530~550M

- Based on M10-182mm wafer, best choice for ultra-large power plants
- Advanced module technology delivers superior module efficiency
 - M10 Gallium-doped Wafer
 - Smart Soldering
 - 9-busbar Half-cut Cell
- Excellent outdoor power generation performance
- High module quality ensures long-term reliability

12

12-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

ISO 9001:2015: ISO Quality Management System

ISO 14001: 2015: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

ISO 45001: 2018: Occupational Health and Safety

LONGI



21.5%
MAX MODULE
EFFICIENCY

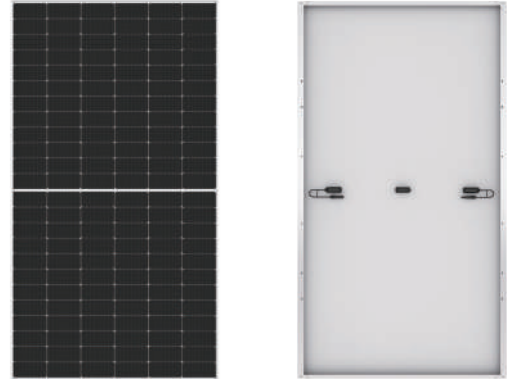
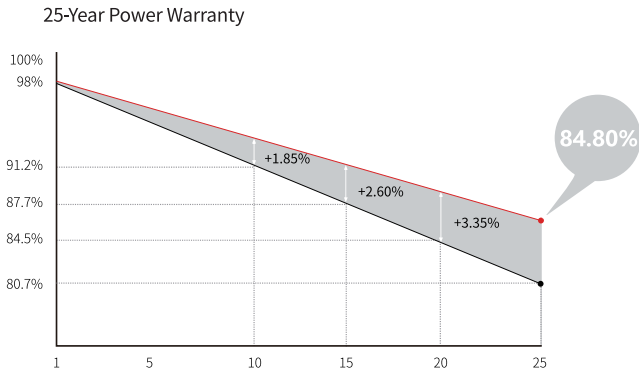
0~+5W
POWER
TOLERANCE

<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

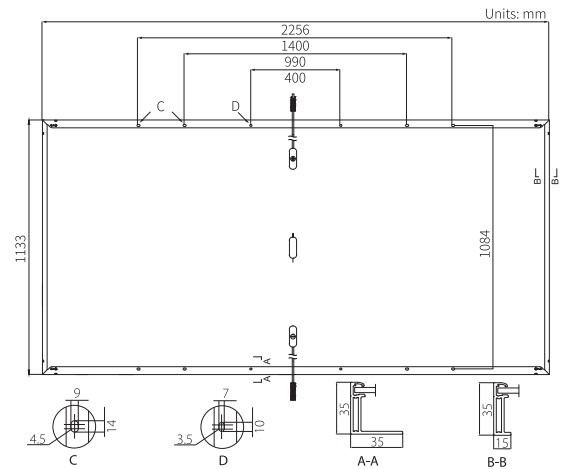
HALF-CELL
Lower operating temperature

Additional Value



Mechanical Parameters

| | |
|------------------|---|
| Cell Orientation | 144 (6×24) |
| Junction Box | IP68, three diodes |
| Output Cable | 4mm ² , +400, -200mm/±1400mm length can be customized |
| Glass | Single glass, 3.2mm coated tempered glass |
| Frame | Anodized aluminum alloy frame |
| Weight | 27.2kg |
| Dimension | 2256×1133×35mm |
| 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%

| Module Type | LR5-72HPH-530M | | LR5-72HPH-535M | | LR5-72HPH-540M | | LR5-72HPH-545M | | LR5-72HPH-550M | |
|----------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 530 | 530 | 535 | 399.5 | 540 | 403.3 | 545 | 407.0 | 550 | 410.7 |
| Open Circuit Voltage (Voc/V) | 49.20 | 49.20 | 49.35 | 46.26 | 49.50 | 46.41 | 49.65 | 46.55 | 49.80 | 46.69 |
| Short Circuit Current (Isc/A) | 13.71 | 13.71 | 13.78 | 11.15 | 13.85 | 11.20 | 13.92 | 11.25 | 13.98 | 11.31 |
| Voltage at Maximum Power (Vmp/V) | 41.35 | 41.35 | 41.50 | 38.64 | 41.65 | 38.78 | 41.80 | 38.92 | 41.95 | 39.06 |
| Current at Maximum Power (Imp/A) | 12.82 | 12.82 | 12.90 | 10.34 | 12.97 | 10.40 | 13.04 | 10.46 | 13.12 | 10.52 |
| Module Efficiency(%) | 20.7 | | 20.9 | | 21.1 | | 21.3 | | 21.5 | |

Operating Parameters

| | |
|------------------------------------|------------------|
| Operational Temperature | -40°C ~ +85°C |
| Power Output Tolerance | 0 ~ +5 W |
| 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 |

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 | +0.048%/°C |
| Temperature Coefficient of Voc | -0.270%/°C |
| Temperature Coefficient of Pmax | -0.350%/°C |