

Hi-MO **5m**

LR5-72HPH 525~550M

- 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 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

OHSAS 18001: 2007 Occupational Health and Safety

LONGI



21.5%
MAX MODULE
EFFICIENCY

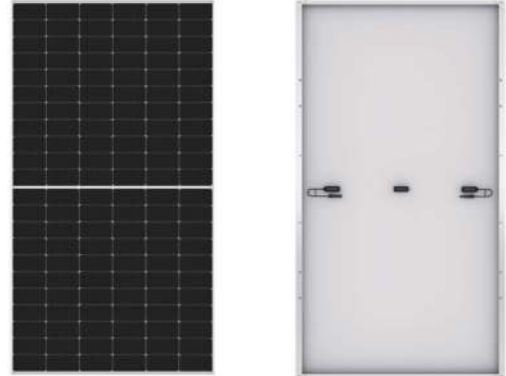
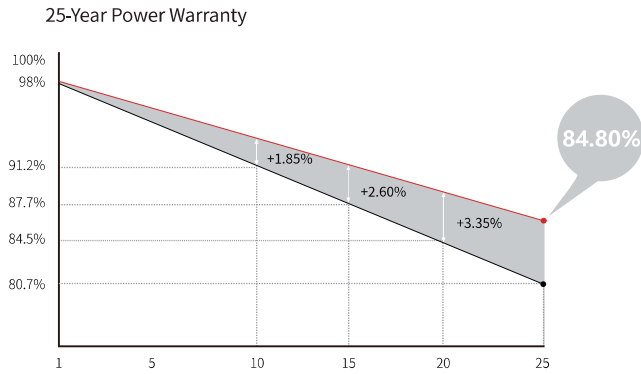
0~+5W
POWER
TOLERANCE

<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

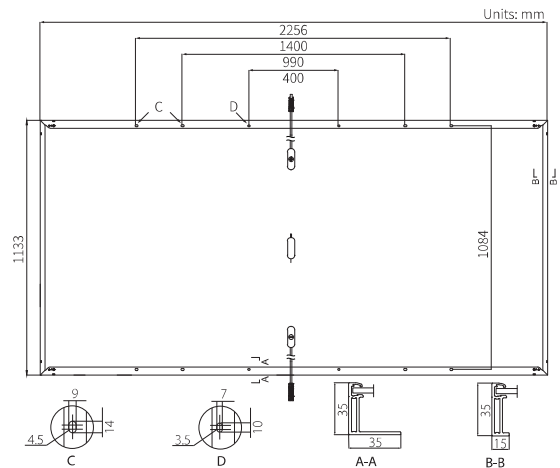
HALF-CELL
Lower operating temperature

Additional Value



Mechanical Parameters

| | |
|------------------|--|
| Cell Orientation | 144 (6×24) |
| Junction Box | IP68, three diodes |
| Output Cable | 4mm ² , positive 400 / negative 200mm 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

Test uncertainty for Pmax: ±3%

| | 525 | 530 | 535 | 540 | 545 | 550 |
|----------------------------------|-------|-------|-------|-------|-------|-------|
| Power Class | 525 | 530 | 535 | 540 | 545 | 550 |
| Maximum Power (Pmax/W) | 525 | 530 | 535 | 540 | 545 | 550 |
| Open Circuit Voltage (Voc/V) | 49.05 | 49.20 | 49.35 | 49.50 | 49.65 | 49.80 |
| Short Circuit Current (Isc/A) | 13.65 | 13.71 | 13.78 | 13.85 | 13.92 | 13.98 |
| Voltage at Maximum Power (Vmp/V) | 41.20 | 41.35 | 41.50 | 41.65 | 41.80 | 41.95 |
| Current at Maximum Power (Imp/A) | 12.75 | 12.82 | 12.90 | 12.97 | 13.04 | 13.12 |
| Module Efficiency(%) | 20.5 | 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 |