

Hi-MO **5m**

LR5-54HPB 390~410M

- Suitable for distributed projects
- Advanced module technology delivers superior module efficiency
 - M10 Gallium-doped Wafer
 - Integrated segmented ribbons
 - 9-busbar Half-cut Cell
- Excellent outdoor power generation performance
- Aesthetic appearance with all black module design

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



21.0%
MAX MODULE
EFFICIENCY

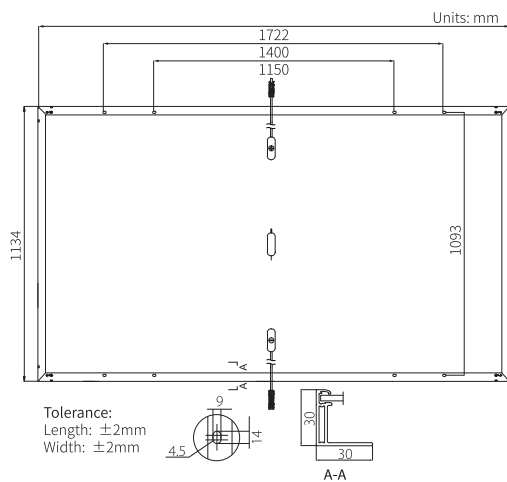
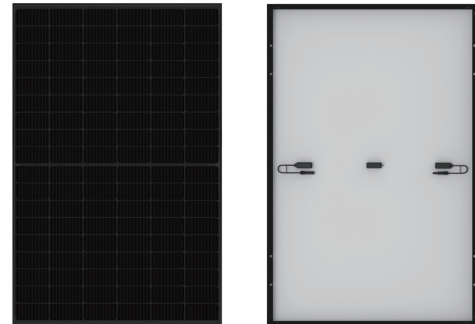
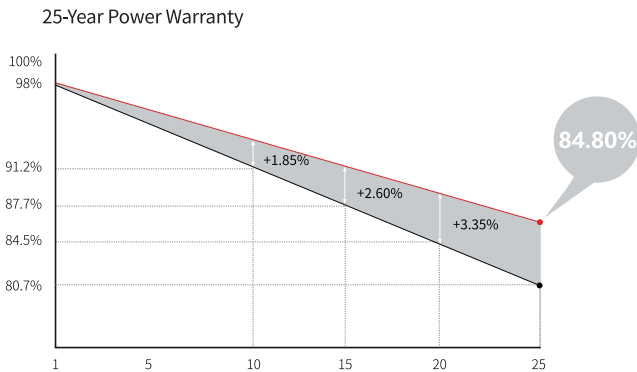
0~3%
POWER
TOLERANCE

<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

HALF-CELL
Lower operating temperature

Additional Value



Mechanical Parameters

| | |
|------------------|---|
| Cell Orientation | 108 (6×18) |
| Junction Box | IP68, three diodes |
| Output Cable | 4mm ² , +400, -200mm length can be customized |
| Glass | Single glass, 3.2mm coated tempered glass |
| Frame | Anodized aluminum alloy frame |
| Weight | 21.5kg |
| Dimension | 1722×1134×30mm |
| Packaging | 36pcs per pallet / 216pcs per 20' GP / 936pcs 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 | LR5-54HPB-390M | | LR5-54HPB-395M | | LR5-54HPB-400M | | LR5-54HPB-405M | | LR5-54HPB-410M | |
|----------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 390 | 293.0 | 395 | 296.7 | 400 | 300.5 | 405 | 304.2 | 410 | 308.0 |
| Open Circuit Voltage (Voc/V) | 36.50 | 34.32 | 36.65 | 34.46 | 36.80 | 34.61 | 36.95 | 34.75 | 37.10 | 34.89 |
| Short Circuit Current (Isc/A) | 13.45 | 10.91 | 13.55 | 10.99 | 13.66 | 11.08 | 13.74 | 11.15 | 13.84 | 11.23 |
| Voltage at Maximum Power (Vmp/V) | 30.80 | 28.67 | 30.95 | 28.81 | 31.10 | 28.95 | 31.25 | 29.09 | 31.40 | 29.23 |
| Current at Maximum Power (Imp/A) | 12.67 | 10.22 | 12.77 | 10.30 | 12.87 | 10.39 | 12.96 | 10.46 | 13.06 | 10.54 |
| Module Efficiency(%) | 20.0 | | 20.2 | | 20.5 | | 20.7 | | 21.0 | |

Operating Parameters

| | |
|------------------------------------|-------------------------------|
| Operational Temperature | -40°C ~ +85°C |
| Power Output Tolerance | 0 ~ 3% |
| Voc and Isc Tolerance | ±3% |
| Maximum System Voltage | DC1000V (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 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 |