

Hi-MO 5m

LR5-54HPB 400~420M

- 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-year Warranty for
Materials and Processing



25-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



21.5%
MAX MODULE
EFFICIENCY

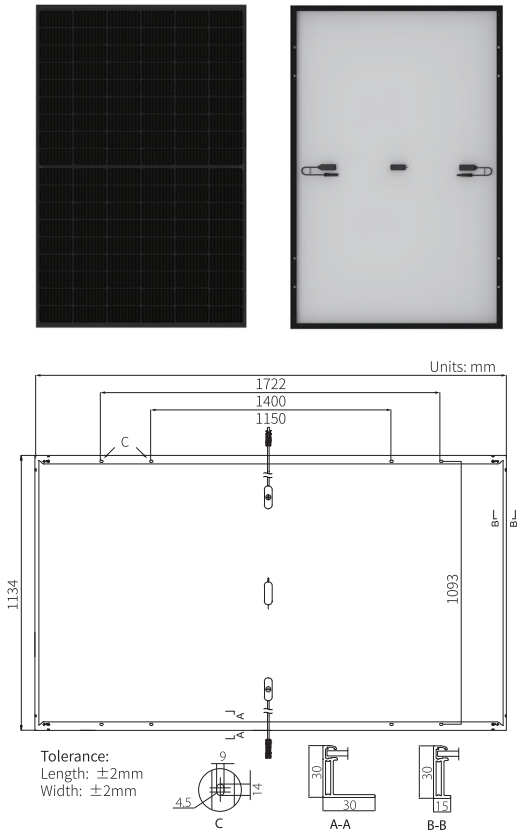
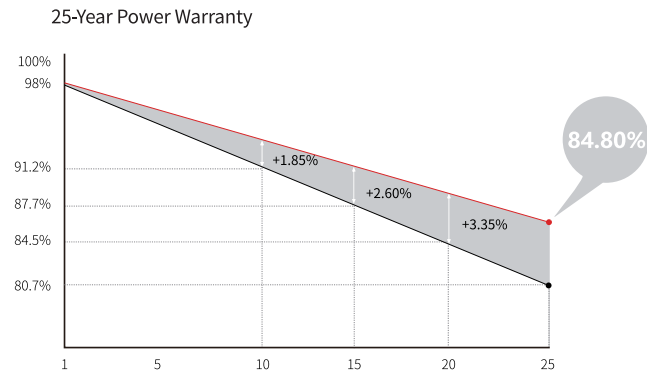
0~3%
POWER
TOLERANCE

<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 , ±1200mm length can be customized |
| Glass | Single glass, 3.2mm coated tempered glass |
| Frame | Anodized aluminum alloy frame |
| Weight | 20.8kg |
| Dimension | 1722×1134×30mm |
| Packaging | 36pcs per pallet / 216pcs per 20' GP / 936pcs per 40' HC |

| Electrical Characteristics | STC : AM1.5 1000W/m ² 25°C | | NOCT : AM1.5 800W/m ² 20°C 1m/s | | | | Test uncertainty for Pmax: ±3% | | | |
|----------------------------------|---------------------------------------|-------|--|-------|----------------|-------|--------------------------------|-------|----------------|-------|
| | LR5-54HPB-400M | | LR5-54HPB-405M | | LR5-54HPB-410M | | LR5-54HPB-415M | | LR5-54HPB-420M | |
| Module Type | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Testing Condition | | | | | | | | | | |
| Maximum Power (Pmax/W) | 400 | 299.0 | 405 | 302.7 | 410 | 306.5 | 415 | 310.2 | 420 | 313.9 |
| Open Circuit Voltage (Voc/V) | 36.90 | 34.70 | 37.15 | 34.93 | 37.40 | 35.17 | 37.65 | 35.40 | 37.89 | 35.63 |
| Short Circuit Current (Isc/A) | 13.72 | 11.09 | 13.78 | 11.14 | 13.84 | 11.19 | 13.91 | 11.24 | 13.97 | 11.30 |
| Voltage at Maximum Power (Vmp/V) | 30.94 | 28.74 | 31.18 | 28.96 | 31.42 | 29.19 | 31.66 | 29.41 | 31.90 | 29.63 |
| Current at Maximum Power (Imp/A) | 12.93 | 10.40 | 12.99 | 10.45 | 13.05 | 10.50 | 13.11 | 10.55 | 13.17 | 10.59 |
| Module Efficiency(%) | 20.5 | | 20.7 | | 21.0 | | 21.3 | | 21.5 | |

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 |