

Hi-MO 5m

LR5-54HPH 405~425M

- 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
- High module quality ensures long-term reliability



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

TS62941: Guideline for module design qualification and type approval

The LONGi logo, featuring the word 'LONGi' in a bold, red, sans-serif font.



21.8%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

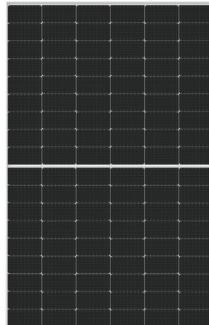
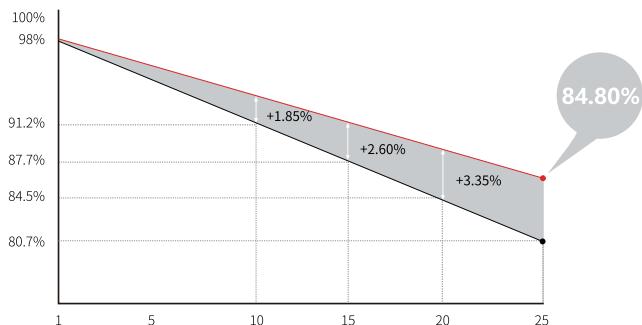
<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

HALF-CELL
Lower operating temperature

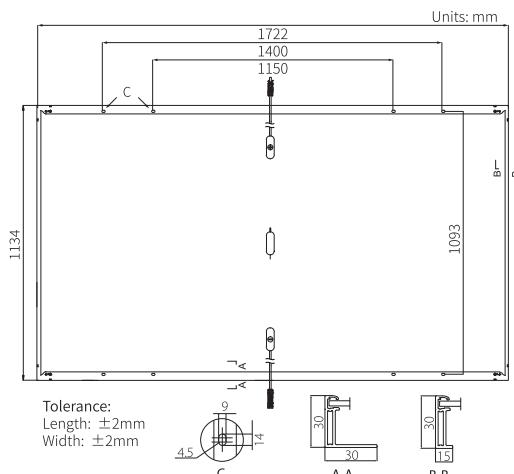
Additional Value

25-Year Power Warranty



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%
Module Type	LR5-54HPH-405M	LR5-54HPH-410M	LR5-54HPH-415M
Testing Condition	STC NOCT	STC NOCT	STC NOCT
Maximum Power (Pmax/W)	405	302.7	410
Open Circuit Voltage (Voc/V)	37.00	34.79	37.25
Short Circuit Current (Isc/A)	13.83	11.18	13.88
Voltage at Maximum Power (Vmp/V)	31.00	28.80	31.25
Current at Maximum Power (Imp/A)	13.07	10.52	13.12
Module Efficiency(%)	20.7	21.0	21.3
			21.5
			21.8
LR5-54HPH-420M			
LR5-54HPH-425M			

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 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