

# Hi-MO 5m

(G2)

## LR5-72HPH 540~560M

- Based on M10 wafer, best choice for ultra-large power plants
- 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

IEC62941: Guideline for module design qualification and type approval

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



**21.7%**  
MAX MODULE  
EFFICIENCY

**0~3%**  
POWER  
TOLERANCE

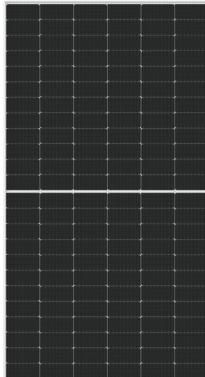
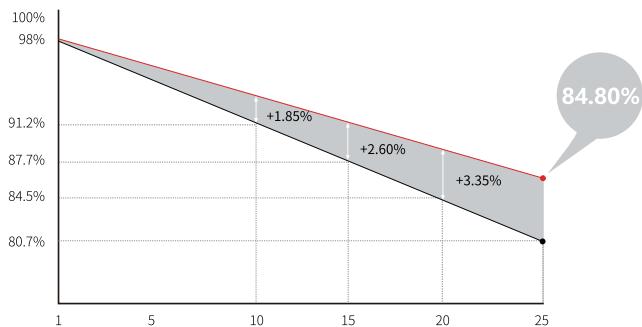
**<2%**  
FIRST YEAR  
POWER DEGRADATION

**0.55%**  
YEAR 2-25  
POWER DEGRADATION

**HALF-CELL**  
Lower operating temperature

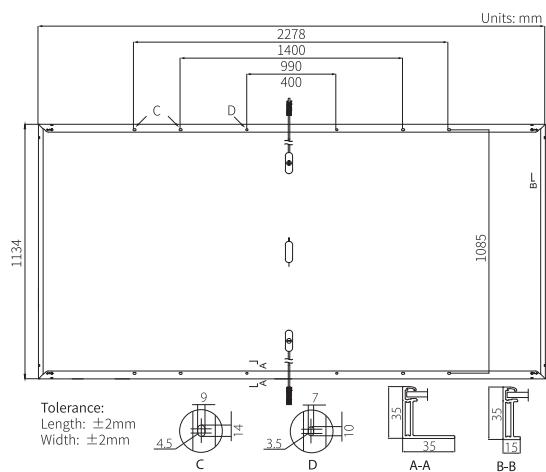
### Additional Value

25-Year Power Warranty



### Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm <sup>2</sup> , +400, -200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.5kg
Dimension	2278×1134×35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 620pcs per 40' HC



### Electrical Characteristics

	STC : AM1.5 1000W/m <sup>2</sup> 25°C	NOCT : AM1.5 800W/m <sup>2</sup> 20°C 1m/s	Test uncertainty for Pmax: ±3%
Module Type	LR5-72HPH-540M	LR5-72HPH-545M	LR5-72HPH-550M
Testing Condition	STC NOCT	STC NOCT	STC NOCT
Maximum Power (Pmax/W)	540	403.6	545
Open Circuit Voltage (Voc/V)	49.50	46.54	49.65
Short Circuit Current (Isc/A)	13.85	11.20	13.92
Voltage at Maximum Power (Vmp/V)	41.65	38.69	41.80
Current at Maximum Power (Imp/A)	12.97	10.43	13.04
Module Efficiency(%)	20.9	21.1	21.3
			21.5
			21.7
LR5-72HPH-555M			
LR5-72HPH-560M			

### 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