

Hi-MO 5m

LR5-72HPH 535~555M

- 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-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.



21.7%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

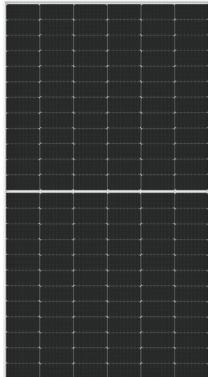
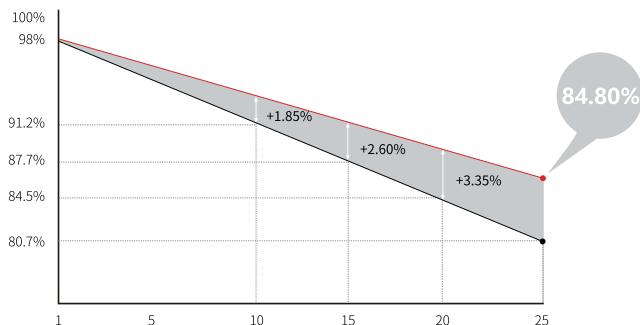
<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

HALF-CELL
Lower operating temperature

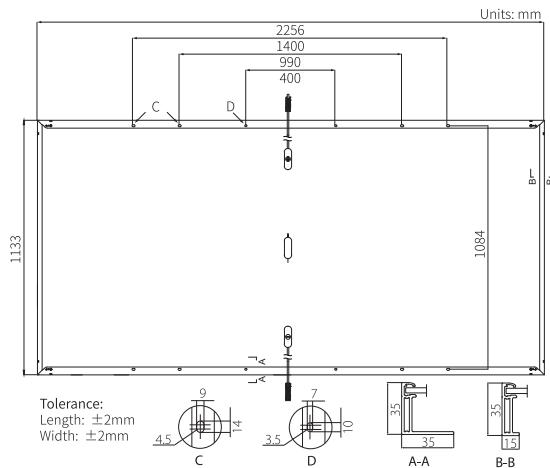
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +400, -200mm/±1400mm 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/m ² 25°C	NOCT : AM1.5 800W/m ² 20°C 1m/s	Test uncertainty for Pmax: ±3%
Module Type	LR5-72HPH-535M	LR5-72HPH-540M	LR5-72HPH-545M
Testing Condition	STC NOCT	STC NOCT	STC NOCT
Maximum Power (Pmax/W)	535 399.9	540 403.6	545 407.4
Open Circuit Voltage (Voc/V)	49.35 46.40	49.50 46.54	49.65 46.68
Short Circuit Current (Isc/A)	13.78 11.14	13.85 11.20	13.92 11.25
Voltage at Maximum Power (Vmp/V)	41.50 38.55	41.65 38.69	41.80 38.83
Current at Maximum Power (Imp/A)	12.90 10.38	12.97 10.43	13.04 10.49
Module Efficiency(%)	20.9	21.1	21.3
			21.5
			21.7

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