



# Hi-MO 5<sub>m</sub>

(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

# LONGI



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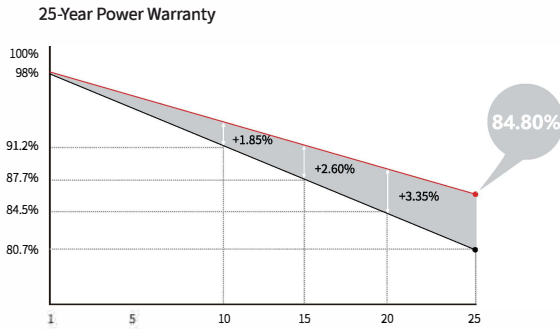


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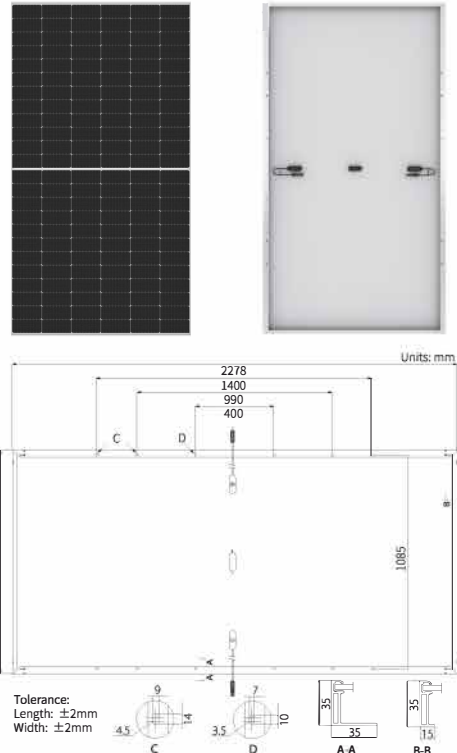
<b>21.7%</b> MAX MODULE EFFICIENCY	<b>0~3%</b> POWER TOLERANCE	<b>&lt;2%</b> FIRST YEAR POWER DEGRADATION	<b>0.55%</b> YEAR 2-25 POWER DEGRADATION	<b>HALF-CELL</b> Lower operating temperature
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### Additional Value



### 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

Module Type	STC : AM1.5 1000W/m <sup>2</sup> 25°C		NOCT : AM1.5 800W/m <sup>2</sup> 20°C 1m/s		STC		NOCT		STC		NOCT	
	LR5-72HPH-540M	LR5-72HPH-545M	LR5-72HPH-550M	LR5-72HPH-555M	LR5-72HPH-560M	LR5-72HPH-540M	LR5-72HPH-545M	LR5-72HPH-550M	LR5-72HPH-555M	LR5-72HPH-560M	LR5-72HPH-540M	LR5-72HPH-545M
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P <sub>max</sub> /W)	540	403.6	545	407.4	550	411.1	555	414.8	560	418.6	540	418.6
Open Circuit Voltage (V <sub>oc</sub> /V)	49.50	46.54	49.65	46.68	49.80	46.82	49.95	46.97	50.10	47.11	49.50	47.11
Short Circuit Current (I <sub>sc</sub> /A)	13.85	11.20	13.92	11.25	13.98	11.31	14.04	11.35	14.10	11.40	13.85	11.40
Voltage at Maximum Power (V <sub>mp</sub> /V)	41.65	38.69	41.80	38.83	41.95	38.97	42.10	39.11	42.25	39.25	41.65	39.25
Current at Maximum Power (I <sub>mp</sub> /A)	12.97	10.43	13.04	10.49	13.12	10.56	13.19	10.61	13.26	10.67	12.97	10.67
Module Efficiency(%)	20.9		21.1		21.3		21.5		21.7		21.7	

### Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
V <sub>oc</sub> and I <sub>sc</sub> 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 I <sub>sc</sub>	+0.050%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.265%/°C
Temperature Coefficient of P <sub>max</sub>	-0.340%/°C



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Specifications included in this datasheet are subject to change without notice. LONGi reserves the right of final interpretation. (20220810V16) G2

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