

# Hi-MO 4m

## LR4-66HPH 395~420M

- Suitable for distributed projects
- Advanced module technology delivers superior module efficiency
  - M6 Gallium-doped Wafer
  - 9-busbar Half-cut Cell
- Excellent outdoor power generation performance
- High module quality ensures long-term reliability

12

12-year Warranty for  
Materials and Processing

25

25-year Warranty for Extra  
Linear Power Output

### Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

OHSAS 18001: 2007 Occupational Health and Safety

# LONGI



**21.0%**  
MAX MODULE  
EFFICIENCY

**0~+5W**  
POWER  
TOLERANCE

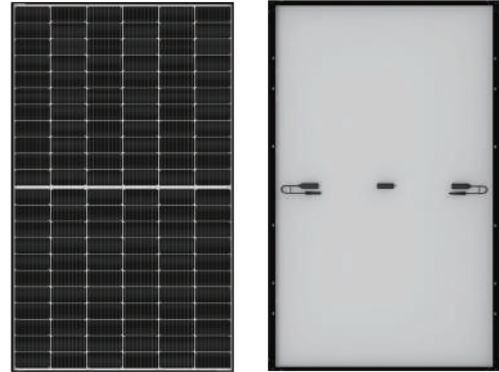
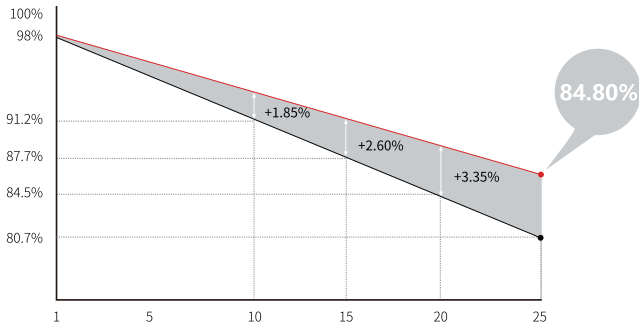
**<2%**  
FIRST YEAR  
POWER DEGRADATION

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

**HALF-CELL**  
Lower operating temperature

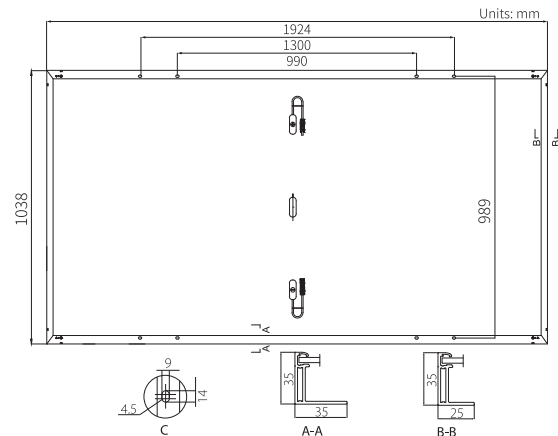
## Additional Value

25-Year Power Warranty



## Mechanical Parameters

Cell Orientation	132 (6×22)
Junction Box	IP68, three diodes
Output Cable	4mm <sup>2</sup> , 1200mm
Connector	Staubli MC4 EVO2
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	22.0kg
Dimension	1924×1038×35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 744pcs per 40' HC



## Electrical Characteristics

STC : AM1.5 1000W/m<sup>2</sup> 25°C Test uncertainty for Pmax: ±3%

	395	400	405	410	415	420
Power Class	395	400	405	410	415	420
Maximum Power (Pmax/W)	395	400	405	410	415	420
Open Circuit Voltage (Voc/V)	44.60	44.80	45.00	45.20	45.40	45.60
Short Circuit Current (Isc/A)	11.34	11.42	11.50	11.57	11.65	11.73
Voltage at Maximum Power (Vmp/V)	37.40	37.60	37.8	38.00	38.20	38.40
Current at Maximum Power (Imp/A)	10.57	10.64	10.72	10.79	10.87	10.94
Module Efficiency(%)	19.8	20.0	20.3	20.5	20.8	21.0

## Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ +5 W
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2

## 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	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°C