

# Hi-MO 4m

## LR4-60HPB 345~375M

- 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
- Aesthetic appearance with all black module design

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 9001:2015: ISO Quality Management System

ISO 14001: 2015: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

ISO 45001: 2018: Occupational Health and Safety

**LONGI**



**20.6%**  
MAX MODULE  
EFFICIENCY

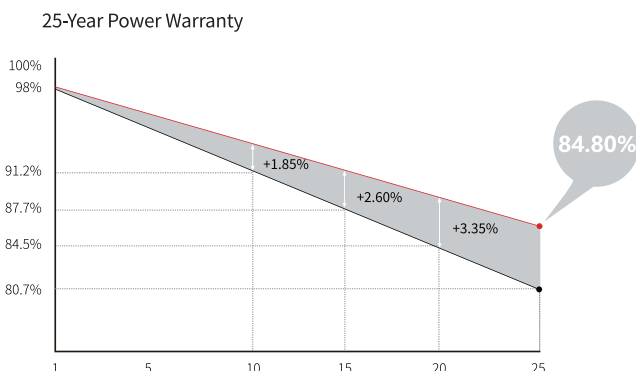
**0~+5W**  
POWER  
TOLERANCE

**<2%**  
FIRST YEAR  
POWER DEGRADATION

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

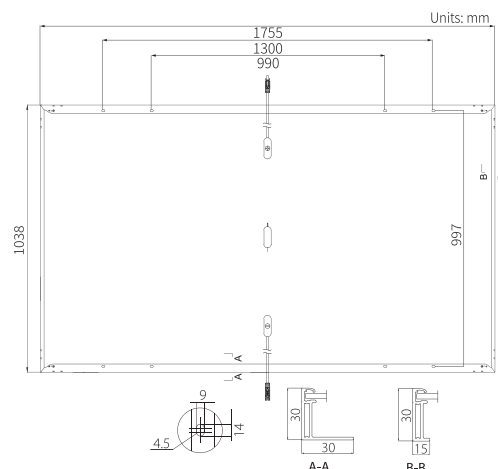
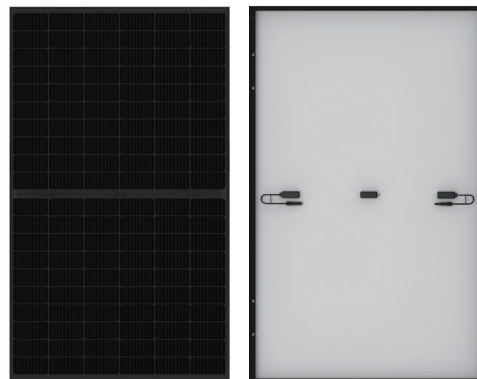
**HALF-CELL**  
Lower operating temperature

## Additional Value



## Mechanical Parameters

Cell Orientation	120 (6×20)
Junction Box	IP68, three diodes
Output Cable	4mm <sup>2</sup> , 1200mm
Connector	Staubli MC4
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	19.5kg
Dimension	1755×1038×30mm
Packaging	36pcs per pallet / 216pcs per 20' GP / 936pcs 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 P<sub>max</sub>: ±3%

Module Type	LR4-60HPB-345M		LR4-60HPB-350M		LR4-60HPB-355M		LR4-60HPB-360M		LR4-60HPB-365M		LR4-60HPB-370M		LR4-60HPB-375M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P <sub>max</sub> /W)	345	257.6	350	261.4	355	265.1	360	268.8	365	272.6	370	276.3	375	280.0
Open Circuit Voltage (V <sub>oc</sub> /V)	40.2	37.7	40.4	37.9	40.6	38.1	40.8	38.2	41.0	38.4	41.2	38.6	41.4	38.8
Short Circuit Current (I <sub>sc</sub> /A)	11.06	8.95	11.16	9.02	11.25	9.09	11.33	9.16	11.41	9.23	11.50	9.30	11.58	9.36
Voltage at Maximum Power (V <sub>mp</sub> /V)	34.2	31.8	34.4	32.0	34.6	32.2	34.8	32.4	35.0	32.6	35.2	32.8	35.4	33.0
Current at Maximum Power (I <sub>mp</sub> /A)	10.09	8.09	10.18	8.16	10.27	8.23	10.35	8.30	10.43	8.36	10.52	8.43	10.60	8.50
Module Efficiency(%)	18.9		19.2		19.5		19.8		20.0		20.3		20.6	

## Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ +5 W
V <sub>oc</sub> and I <sub>sc</sub> Tolerance	±3%
Maximum System Voltage	DC1000V (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 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>	+0.048%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.270%/°C
Temperature Coefficient of P <sub>max</sub>	-0.350%/°C