

Hi-MO 5m

[PREVIEW for AU]

LR5-66HPH 480~500M

- 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

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

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

LONGi



21.3%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

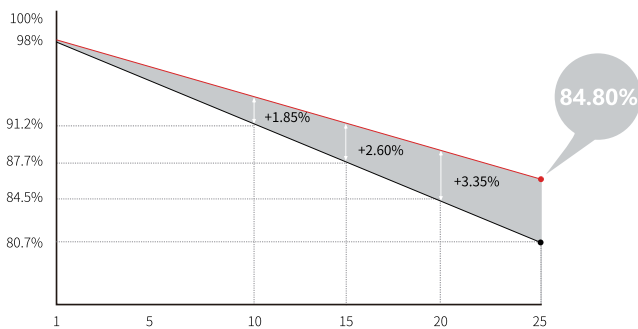
<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

HALF-CELL
Lower operating temperature

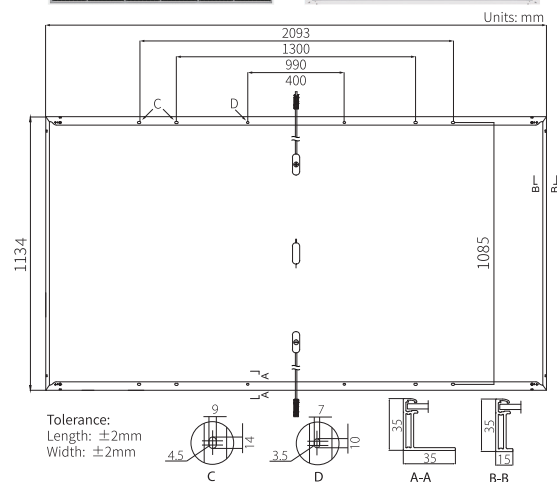
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	132 (6×22)
Junction Box	IP68, three diodes
Output Cable	1400 mm
Connector	Staubli EVO2 or LONGi LR5
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	25.3 kg
Dimension	2093×1134×35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 682pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C NOCT : AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ±3%

Module Type	LR5-66HPH-480M		LR5-66HPH-485M		LR5-66HPH-490M		LR5-66HPH-495M		LR5-66HPH-500M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	480	358.8	485	362.5	490	366.3	495	370.0	500	373.7
Open Circuit Voltage (Voc/V)	44.95	42.26	45.10	42.41	45.25	42.55	45.40	42.69	45.55	42.83
Short Circuit Current (Isc/A)	13.59	10.99	13.67	11.05	13.74	11.11	13.82	11.17	13.90	11.24
Voltage at Maximum Power (Vmp/V)	37.78	35.09	37.93	35.23	38.08	35.37	38.23	35.51	38.38	35.65
Current at Maximum Power (Imp/A)	12.71	10.22	12.79	10.29	12.87	10.35	12.95	10.42	13.03	10.48
Module Efficiency(%)	20.4		20.6		20.9		21.1		21.3	

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