



JOG
International Ltd.

LONGI Propelling the
transformation

Hi-Mo 4

LR4-72HBD 425~455M

- Suitable for ground power plants and large C&I 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-year Warranty for
Materials and Processing



30-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

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20.9%
MAX MODULE
EFFICIENCY

0~+5W
POWER
TOLERANCE

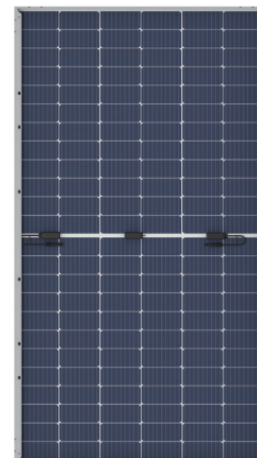
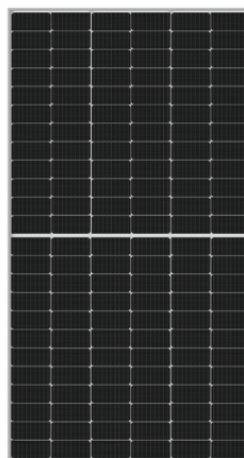
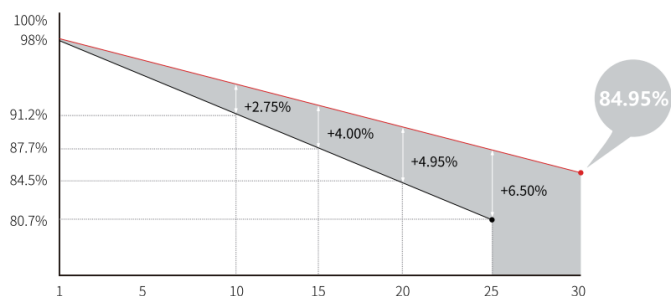
<2%
FIRST YEAR POWER
DEGRADATION

0.45%
YEAR 2-30
POWER DEGRADATION

HALF-CELL
Lower operating temperature

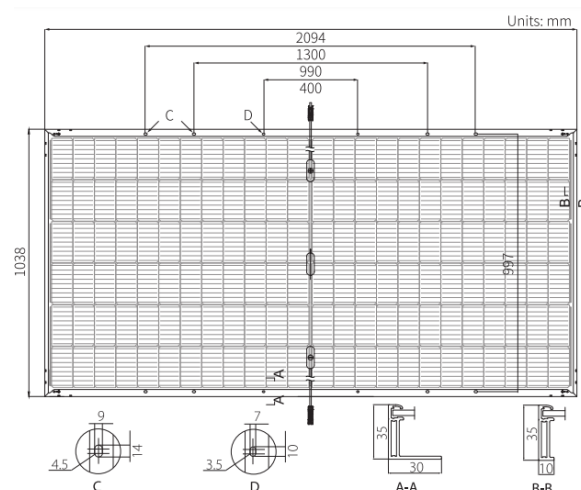
Additional Value

30-Year Power Warranty



Mechanical Parameters

Cell Orientation	144 (6x24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , positive 400 / negative 200mm length can be customized
Glass	Dual glass, 2.0mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.5kg
Dimension	2094X1038X35mm
Packaging	30pcs per pallet/ 150pcs per 20' GP/ 660 pcs per 40' HC



Electrical Characteristics

STC: AM1.5 1000W/m² 25°C Test uncertainty for P_{max}±3%

Power Class	425	430	435	440	445	450	455
Maximum Power (P _{max} /W)	425	430	435	440	445	450	455
Open Circuit Voltage (V _{oc} /V)	48.7	48.9	49.1	49.2	49.4	49.6	49.8
Short Circuit Current (I _{sc} /A)	11.22	11.30	11.36	11.45	11.52	11.58	11.65
Voltage at Maximum Power (V _{mp} /V)	40.4	40.6	40.8	41.0	41.2	41.4	41.6
Current at Maximum Power (I _{mp} /A)	10.52	10.60	10.66	10.73	10.80	10.87	10.93
Module Efficiency (%)	19.6	19.8	20.0	20.2	20.5	20.7	20.9

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ +5 W
V _{oc} and I _{sc} 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
Bifaciality	70±5%

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 _{sc}	+0.050%/°C
Temperature Coefficient of V _{oc}	-0.284%/°C
Temperature Coefficient of P _{max}	-0.350%/°C

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