

Hi-MO 9

LR9-66HYD 730~760M

- Products for utility with optimal power generation through the entire lifecycle
- Performance improvement leads to a more than 6.5% power generation gain
- TaiRay wafer & BC technology enhances high product reliability
- Smart manufacturing & LONGi product lifecycle standards deliver exceptional product quality



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

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



24.47%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

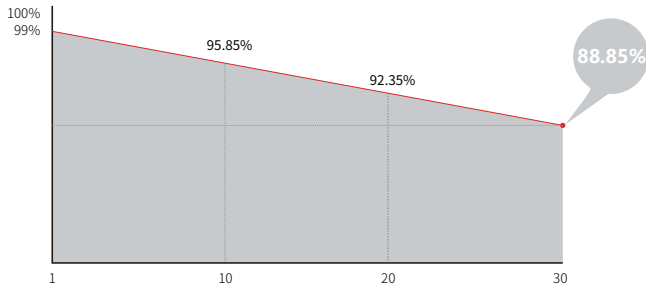
<1%
FIRST YEAR
POWER DEGRADATION

0.35%
YEAR 2-30
POWER DEGRADATION

BC-CELL
LOWER OPERATING
TEMPERATURE

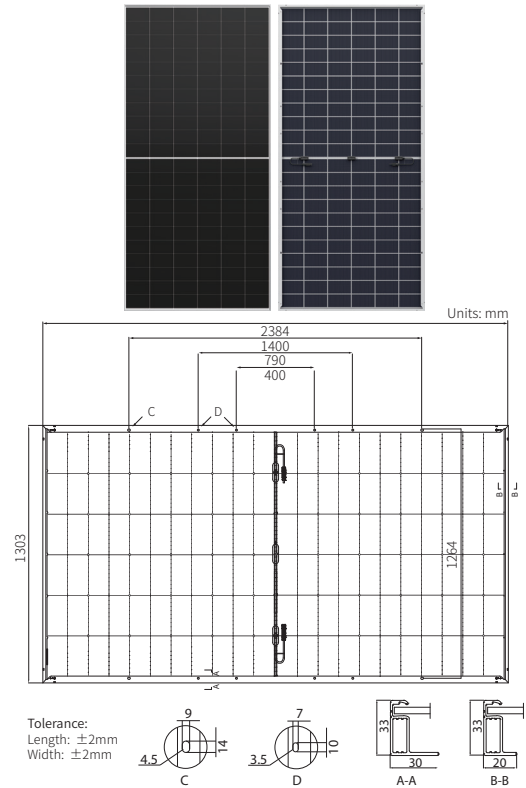
Additional Value

30-Year Power Warranty



Mechanical Parameters

Cell Orientation	132 (66×2)
Junction Box	IP68, three diodes
Output Cable	4mm ² +400/-200mm/±1400mm length can be customized
Glass	Dual glass, 2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Weight	37.3kg
Dimension	2384×1303×33mm
Packaging	33pcs per pallet / 594pcs 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	LR9-66HYD-730M		LR9-66HYD-735M		LR9-66HYD-740M		LR9-66HYD-745M		LR9-66HYD-750M		LR9-66HYD-755M		LR9-66HYD-760M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	730	554.8	735	558.6	740	562.4	745	566.2	750	570.0	755	573.8	760	577.6
Open Circuit Voltage (Voc/V)	48.92	46.47	48.99	46.54	49.06	46.61	49.13	46.67	49.20	46.74	49.27	46.81	49.34	46.87
Short Circuit Current (Isc/A)	18.50	14.80	18.54	14.83	18.58	14.86	18.62	14.90	18.66	14.93	18.70	14.96	18.74	14.99
Voltage at Maximum Power (Vmp/V)	42.19	40.08	42.34	40.22	42.49	40.37	42.64	40.51	42.79	40.65	42.94	40.79	43.09	40.94
Current at Maximum Power (Imp/A)	17.30	13.84	17.36	13.89	17.42	13.93	17.47	13.98	17.53	14.02	17.58	14.07	17.64	14.11
Module Efficiency(%)	23.50		23.66		23.82		23.98		24.14		24.31		24.47	

Electrical characteristics with different rear side power gain (reference to 750W front)

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
788	49.20	19.59	42.79	18.41	5%
825	49.20	20.53	42.79	19.28	10%
863	49.20	21.46	42.79	20.16	15%
900	49.20	22.39	42.79	21.04	20%
938	49.20	23.33	42.79	21.91	25%

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3% (others) 0 ~ +5W (India area)
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	35A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Bifaciality	75±5%
Fire Rating	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	-0.200%/°C
Temperature Coefficient of Pmax	-0.260%/°C