LONGi EcoLife

LR7-54HJD(Dual Glass)

495~510M (250W/m²)

First Choice For High-End Residential

- **Ultimate Efficiency, 25%+**
- **More Power Generation**
  Exclusive HIBC technology, higher power generation in all scenarios
- **Longer Module Life**
  Butyl rubber seals for better water resistance
- **Enhanced Safety Function**
  Optimized Anti-Shading and Prevent Localized Overheating
- **Low Carbon and Environmentally Friendly**
  Low carbon for the whole lifecycle,
  more environmentally friendly



30 **30-Year Warranty for Materials and Processing**

30 **30-Year Warranty for Extra Front Side Linear Power Output**

TUV SUD

CE

Complete System and Product Certifications

IEC61215, IEC 61730

ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety Management System

IEC62941: Quality System for PV Module Manufacturing

THE smarter E AWARD

REACH NPS

WEEE

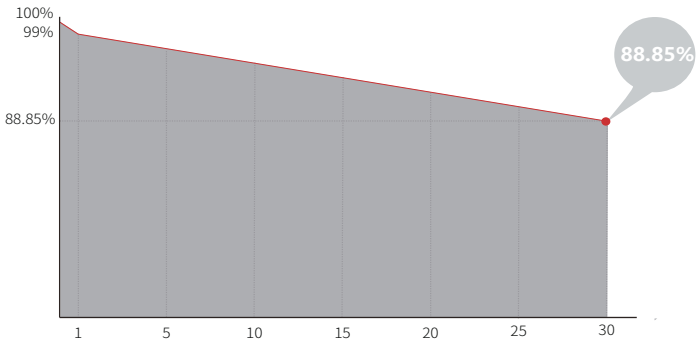
Residential PV Modules, Choose BC

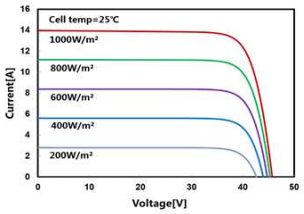
LR7-54HJD 495~510M

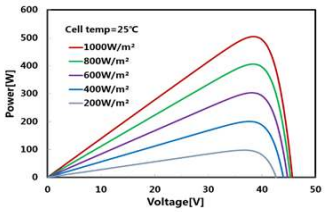
25.0%	0~3%	<1%	0.35%	BC-CELL
MAX MODULE EFFICIENCY	POWER BINNING TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

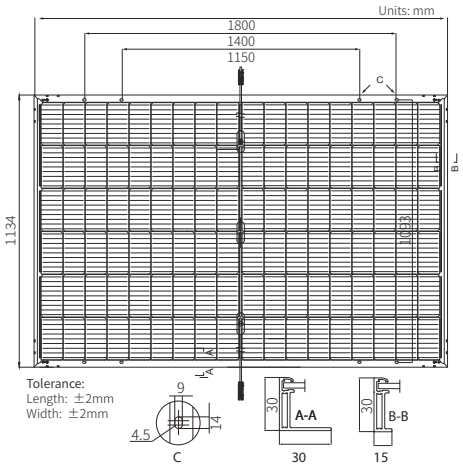
Additional Value

30-Year Power Warranty









Mechanical Parameters

Cell Orientation	108 (6×18)
Junction Box	IP68
Output Cable	4mm², +400, -200mm/±1200mm length can be customized
Glass	Double galss 2.0mm semi-tempered glass+1.6mm semi-tempered glass
Frame	Black anodized aluminum alloy frame
Weight	23.5kg
Dimension	1800×1134×30mm
Packaging	36pcs per pallet / 216pcs per 20' GP / 864pcs per 40' HC
Connector	PV-LR5(Longi) PV-KST4-EVO2A/xy_UR, PV-KBT4-EVO2A/xy_UR(Stäubli)

Electrical Characteristics

STC : AM1.5 1000W/m² 25°C Test uncertainty for Pmax: ±3% Voc& Isc: ±5% BSI Bificiality: φPmax 60±5%, φVoc 98%±5%, φIsc 60±5%

Module Type	LR7-54HJD-495M	LR7-54HJD-500M	LR7-54HJD-505M	LR7-54HJD-510M
Testing Condition	STC	STC	STC	STC
Maximum Power (Pmax/W)	495	500	505	510
Open Circuit Voltage (Voc/V)	41.25	41.35	41.45	41.55
Short Circuit Current (Isc/A)	15.19	15.30	15.41	15.52
Voltage at Maximum Power (Vmp/V)	34.07	34.17	34.27	34.37
Current at Maximum Power (Imp/A)	14.53	14.63	14.74	14.84
Module Efficiency(%)	24.3	24.5	24.7	25.0
BSI Short Circuit Current (A)	17.93	18.06	18.19	18.32

Electrical Characteristics

BNPI : Irradiance:friont 1000/m² rear 135W/m² 25°C AM1.5 BSI: Friont 1000/m² rear 300 W/m² 25°C AM1.5

Module Type	LR7-54HJD-495M	LR7-54HJD-500M	LR7-54HJD-505M	LR7-54HJD-510M
Testing Condition	BNPI	BNPI	BNPI	BNPI
Maximum Power (Pmax/W)	535	541	546	551
Open Circuit Voltage (Voc/V)	41.25	41.35	41.45	41.55
Short Circuit Current (Isc/A)	16.42	16.54	16.66	16.78
Voltage at Maximum Power (Vmp/V)	34.07	34.17	34.27	34.37
Current at Maximum Power (Imp/A)	15.71	15.82	15.93	16.04
Module Efficiency(%)	26.2	26.5	26.7	27.0

Operating Parameters

Module[T98] Max	+70°C
Power Binning Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	IEC Class C
Power Measurement Tolerance:	±3%

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	-0.210%/°C
Temperature Coefficient of Pmax	-0.240%/°C

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Website: www.longi.com/au

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