

LR5-54HTB **440~450M**

- Suitable for Distribution Market
- Pure black for extreme elegance
- Highest efficiency with the best energy generation performance
- Better product warranty, better service



25-year Warranty for Materials and Processing

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 IEC62941: Guideline for module design qualification and type approval



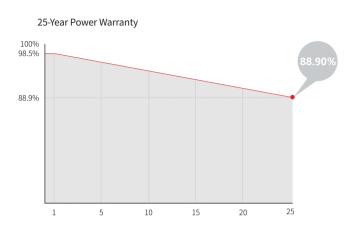


Hi-MO 🔂

LR5-54HTB 440~450M

23.0% MAX MODULE EFFICIENCY 0~3% POWER TOLERANCE <1.5% FIRST YEAR POWER DEGRADATION **0.40%** YEAR 2-25 POWER DEGRADATION

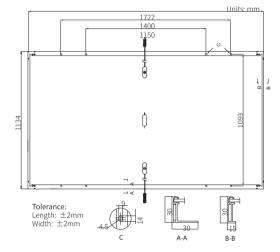
Additional Value



Mechanical Parameters

Cell Orientation	108 (6×18)			
Junction Box	IP68			
Output Cable	4mm², ±1200mm length can be customized			
Glass	Single glass, 3.2mm coated tempered glass			
Frame	Anodized aluminum alloy frame			
Weight	20.8kg			
Dimension	1722×1134×30mm			
Packaging	36pcs per pallet / 216pcs per 20' GP / 936pcs per 40' HC			





Electrical Characteristics	STC: AM1.5 1000W/m ² 25°C		NOCT: AM1.5 800W/m ² 20°C 1m/s		Test uncertainty for	Pmax: ±3%
Module Type	LR5-54HTB-440M		LR5-54HTB-445M		LR5-54H	ITB-450M
Testing Condition	STC 1	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	440	329	445	333	450	337
Open Circuit Voltage (Voc/V)	39.83	37.40	40.03	37.58	40.23	37.77
Short Circuit Current (Isc/A)	14.15	11.43	14.23	11.49	14.31	11.55
Voltage at Maximum Power (Vmp/V)	33.56	30.62	33.76	30.81	33.96	30.99
Current at Maximum Power (Imp/A)	13.12	10.75	13.19	10.82	13.27	10.88
Module Efficiency(%)	22.5		2	2.8	23	3.0

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	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C



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