

Hi-MO 6

Explorer

LR5-54HTB 415~435M

- Suitable for Distribution Market
- * ▪ Pure black for extreme elegance
- Better energy generation performance
- High-quality module guarantees long-term reliability



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

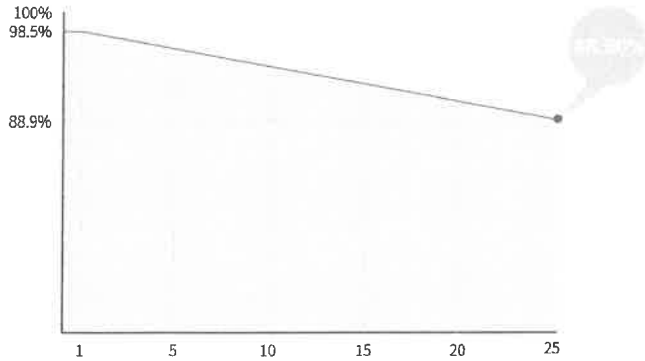
IEC62941: Guideline for module design qualification and type approval

LONGI

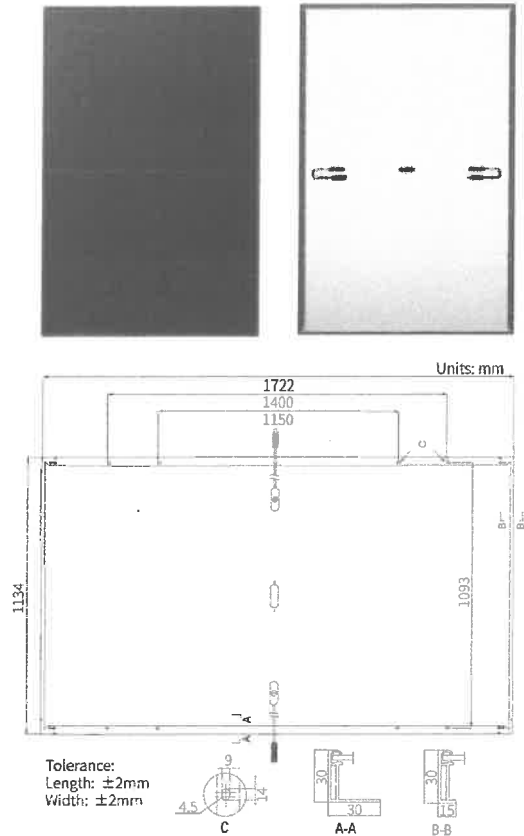


Hi-MO6**LR5-54HTB 415~435M****22.3%**
MAX MODULE
EFFICIENCY**0~3%**
POWER
TOLERANCE**<1.5%**
FIRST YEAR
POWER DEGRADATION**0.40%**
YEAR 2-25
POWER DEGRADATION**Additional Value**

25-Year Power Warranty

**Mechanical Parameters**

Cell Orientation	108 (6×18)
Junction Box	IP68
Output Cable	4mm ² , ±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/m² 25°CNOCT: AM1.5 800W/m² 20°C 1m/sTest uncertainty for P_{max}: ±3%

Module Type	LR5-54HTB-415M		LR5-54HTB-420M		LR5-54HTB-425M		LR5-54HTB-430M		LR5-54HTB-435M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	415	310	420	314	425	318	430	321	435	325
Open Circuit Voltage (V _{oc} /V)	38.83	36.46	39.03	36.65	39.23	36.83	39.43	37.02	39.63	37.21
Short Circuit Current (I _{sc} /A)	13.78	11.13	13.85	11.19	13.93	11.25	14.00	11.31	14.08	11.37
Voltage at Maximum Power (V _{mp} /V)	32.56	29.71	32.76	29.89	32.96	30.08	33.16	30.26	33.36	30.44
Current at Maximum Power (I _{mp} /A)	12.75	10.44	12.83	10.50	12.90	10.56	12.97	10.62	13.05	10.68
Module Efficiency(%)	21.3		21.5		21.8		22.0		22.3	

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	-0.230%/°C
Temperature Coefficient of P _{max}	-0.290%/°C

LONGi

No.8369 Shangyuan Road, Xi'an Economic And
Technological Development Zone, Xi'an, Shaanxi, China.
Web: www.longi.com

Specifications included in this datasheet are subject
to change without notice. LONGi reserves the right of
final interpretation. (20230816DraftV01) DG

This version is exclusively available for specific
clients and application scenarios in Europe DG.