Hi-MO 5m LR5-54HPB 400~420M Suitable for distributed projects Advanced module technology delivers superior module efficiency • M10 Gallium-doped Wafer • Integrated Segmented Ribbons • 9-busbar Half-cut Cell • Excellent outdoor power generation performance Aesthetic appearance with all black module design 12-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











LR5-54HPB 400~420M

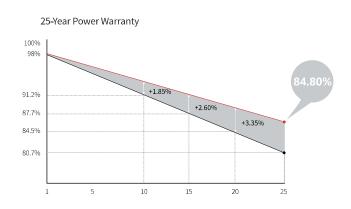
21.5%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

<2%FIRST YEAR
POWER DEGRADATION

0.55% YEAR 2-25 POWER DEGRADATION **HALF-CELL**Lower operating temperature

Additional Value

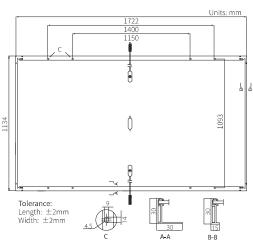


Mechanical Parameters

Cell Orientation	108 (6×18)	
Junction Box	IP68, three diodes	
Output Cable	4mm², 1200mm	
Connector	MC4 EVO2	
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	







STC:AM1	.5 1000W/m	² 25°C	NOCT: AM:	1.5 800W/r	n² 20°C 1m	ı/s Test un	certainty for Pma:	x: ±3%	
LR5-54H	IPB-400M	LR5-54H	1PB-405M	LR5-54H	IPB-410M	LR5-54H	IPB-415M	LR5-54H	PB-420M
STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
400	299.0	405	302.7	410	306.5	415	310.2	420	313.9
36.90	34.70	37.15	34.93	37.40	35.17	37.65	35.40	37.89	35.63
13.72	11.09	13.78	11.14	13.84	11.19	13.91	11.24	13.97	11.30
30.94	28.74	31.18	28.96	31.42	29.19	31.66	29.41	31.90	29.63
12.93	10.40	12.99	10.45	13.05	10.50	13.11	10.55	13.17	10.59
2	0.5	2	0.7	2	1.0	2	1.3	2.	1.5
	STC 400 36.90 13.72 30.94 12.93	LR5-54HPB-400M STC NOCT 400 299.0 36.90 34.70 13.72 11.09 30.94 28.74	STC NOCT STC 400 299.0 405 36.90 34.70 37.15 13.72 11.09 13.78 30.94 28.74 31.18 12.93 10.40 12.99	LR5-54HPB-400M LR5-54HPB-405M STC NOCT STC NOCT 400 299.0 405 302.7 36.90 34.70 37.15 34.93 13.72 11.09 13.78 11.14 30.94 28.74 31.18 28.96 12.93 10.40 12.99 10.45	LR5-54HPB-400M LR5-54HPB-405M LR5-54H STC NOCT STC NOCT STC 400 299.0 405 302.7 410 36.90 34.70 37.15 34.93 37.40 13.72 11.09 13.78 11.14 13.84 30.94 28.74 31.18 28.96 31.42 12.93 10.40 12.99 10.45 13.05	LR5-54HPB-400M LR5-54HPB-405M LR5-54HPB-410M STC NOCT STC NOCT 400 299.0 405 302.7 410 306.5 36.90 34.70 37.15 34.93 37.40 35.17 13.72 11.09 13.78 11.14 13.84 11.19 30.94 28.74 31.18 28.96 31.42 29.19 12.93 10.40 12.99 10.45 13.05 10.50	LR5-54HPB-400M LR5-54HPB-405M LR5-54HPB-410M LR5-54H STC NOCT STC NOCT STC 400 299.0 405 302.7 410 306.5 415 36.90 34.70 37.15 34.93 37.40 35.17 37.65 13.72 11.09 13.78 11.14 13.84 11.19 13.91 30.94 28.74 31.18 28.96 31.42 29.19 31.66 12.93 10.40 12.99 10.45 13.05 10.50 13.11	LR5-54HPB-400M LR5-54HPB-405M LR5-54HPB-410M LR5-54HPB-415M STC NOCT STC NOCT STC NOCT 400 299.0 405 302.7 410 306.5 415 310.2 36.90 34.70 37.15 34.93 37.40 35.17 37.65 35.40 13.72 11.09 13.78 11.14 13.84 11.19 13.91 11.24 30.94 28.74 31.18 28.96 31.42 29.19 31.66 29.41 12.93 10.40 12.99 10.45 13.05 10.50 13.11 10.55	LR5-54HPB-400M LR5-54HPB-405M LR5-54HPB-410M LR5-54HPB-415M LR5-54H STC NOCT STC A20 37.89 37.89 37.89 13.91 11.24 13.97 30.94 28.74 31.18 28.96 31.42 29.19 31.66 29.41 31.90 12.93 10.40 12.99 10.45 13.05 10.50

Operating Parameters

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Operational Temperature	-40°C ~ +85°C	
Power Output Tolerance	0 ~ 3%	
Voc and Isc Tolerance	±3%	
Maximum System Voltage	DC1000V (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	-0.265%/°C
Temperature Coefficient of Pmax	-0.340%/°C

