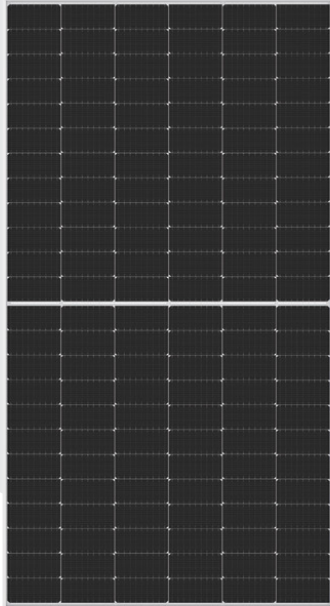


LR5-72HBD 545~550M



**For Extra Linear
Power Output**



**For Materials
and Processing**

LR5-72HPH 540~560M

- Based on M10-182mm wafer, best choice for ultra-large power plants
- Advanced module technology delivers superior module efficiency
 - M10 Gallium-doped Wafer • Integrated segmented ribbons • 9-busbar Half-cut Cell
- Excellent outdoor power generation performance
- High module quality ensures long-term reliability



Installation Guidance

21.5%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

<2%
FIRST YEAR
POWER DEGRADATION

0.45%
YEAR 2-30
POWER DEGRADATION

HALF-CELL
Lower operating temperature



12 12-year Warranty for
Materials and Processing



25 25-year Warranty for Extra
Linear Power Output

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001:2015: ISO Quality Management System

ISO 14001: 2015: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

ISO 45001: 2018: Occupational Health and Safety



Utomo SolaRUV

Jl. Raya Darmo Permai II No.Selatan, Pradahkalikendal, Kec. Dukuhpakis, Kota Surabaya, Jawa Timur, Indonesia, 60187

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Additional Value

Module Type	LR5 72HBD 530M		LR5 72HBD 535M		LR5 72HBD 540M		LR5 72HBD 545M		LR5 72HBD 550M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	530	396.2	535	399.9	540	403.6	545	407.4	550	411.1
Open-circuit Voltage (Voc/V)	49.20	46.26	49.35	46.40	49.50	46.54	49.65	46.68	49.80	46.82
Short-circuit Current (Isc/A)	13.71	11.07	13.78	11.12	13.85	11.17	13.92	11.23	13.99	11.29
Voltage Power Voltage (Vmp)	41.35	38.58	41.50	38.72	41.65	38.86	41.80	39.00	41.95	39.14
Current At Maximum Power (Imp /A)	12.82	10.27	12.90	10.33	12.97	10.39	13.04	10.45	13.12	10.51
Module Efficiency %	20.70%		20.90%		21.10%		21.30%		21.50%	
Operational Temperature	-40°C~+85°C									
Power Output tolerance	0 ~ 3%									
Voc And Isc Tolentrance	± 3%									
Maximum System Voltage	DC1500V (IEC/UL)									
Maximum Series Fuse Rating	30A									
Protection Class	Class II									
	UL Type 1 or 2 IEC Class C									
Bifaciality	70 ± 5%									

Electrical Performance & Temperature Dependence

Temperature Coefficient Of Isc	+ 0.050% / C
Temperature Coefficient Of Voc	-0.265% / C
Temperature Coefficient Of Pmax	-0.340% / C

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Nominal Module Operating Temperature	2400Pa
Hailstone Test	25mm Hailstone At the Speed Of 23m/s

Mechanical Data

Dimensions	2256 × 1133 × 35mm
Weight	32.3 kg
Front Glass	Dual Glass, 2.0+2.0mm Heat Strengthened Glass
Cells Orientation	144 (6 X 24)
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated 3 diodes
Output Cables	4 mm (+): 400mm , (-): 200mm or Customized Length

WARRANTY

