

Hi-MO **S10** Scientist

LR7-72HJD
665~685M

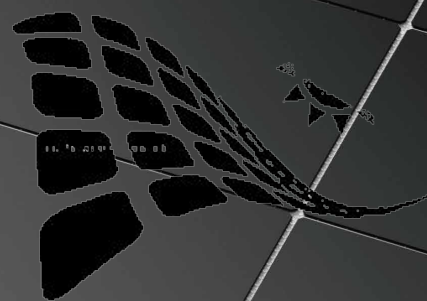
- Suitable for Distribution Market
- Ultimate Efficiency 25.4%+, More Power Generation
- Optimized Anti-Shading and Prevent Localized Overheating
- Exclusive HIBC technology, higher power generation in all scenarios



15-year Warranty for
Materials and Processing



30-year Warranty for Extra
Linear Power Output



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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

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25.4%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

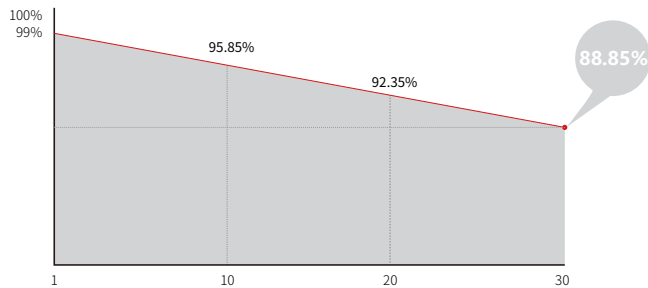
<1%
FIRST YEAR
POWER DEGRADATION

0.35%
YEAR 2-30
POWER DEGRADATION

BC-CELL
LOWER OPERATING
TEMPERATURE

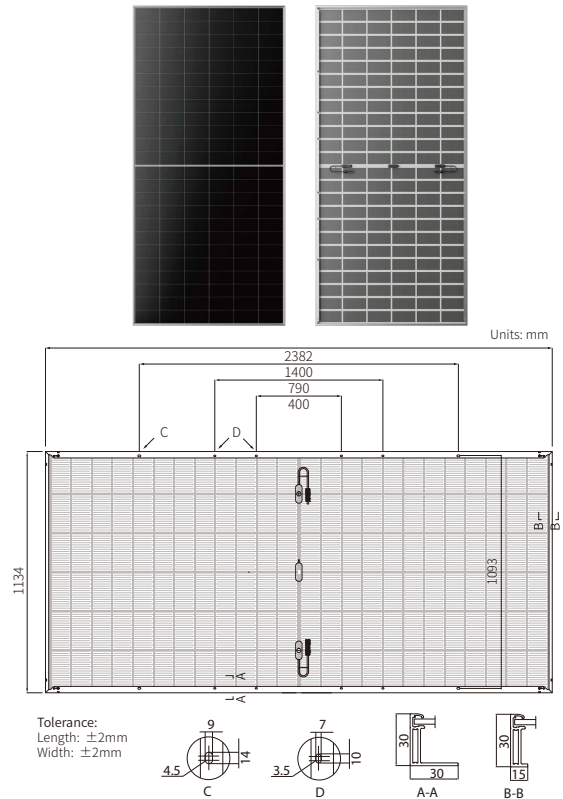
Additional Value

30-Year Power Warranty



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68
Output Cable	4mm ² , +400, -200mm/±1400mm length can be customized
Glass	Dual glass, 2.0+2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Weight	33.5kg
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20' GP / 720pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C

NOCT : AM1.5 800W/m² 20°C 1m/s

Test uncertainty for Pmax: ±3%

Module Type	LR7-72HJD-665M		LR7-72HJD-670M		LR7-72HJD-675M		LR7-72HJD-680M		LR7-72HJD-685M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	665	506	670	510	675	514	680	517	685	521
Open Circuit Voltage (Voc/V)	55.10	52.37	55.20	52.47	55.30	52.56	55.40	52.66	55.50	52.75
Short Circuit Current (Isc/A)	15.28	12.27	15.36	12.33	15.44	12.40	15.52	12.46	15.60	12.53
Voltage at Maximum Power (Vmp/V)	45.51	43.24	45.61	43.34	45.71	43.43	45.81	43.53	45.91	43.62
Current at Maximum Power (Imp/A)	14.61	11.71	14.69	11.77	14.77	11.83	14.84	11.89	14.92	11.95
Module Efficiency(%)	24.6%		24.8%		25.0%		25.2%		25.4%	

Electrical characteristics with different rear side power gain (reference to 670W front)

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
704	55.20	16.13	45.61	15.42	5%
737	55.20	16.89	45.61	16.16	10%
771	55.30	17.66	45.71	16.86	15%
804	55.30	18.43	45.71	17.59	20%
838	55.30	19.20	45.71	18.32	25%

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Bifaciality	60±5%
Fire Rating	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	-0.210%/°C
Temperature Coefficient of Pmax	-0.240%/°C