

Hi-MO S10

LR7-72HJD

665~690M



Peak Technology:

Leading-edge HIBC Cell Technology X
Multi-Dimensional Efficiency Enhancement Matrix



Value-First:

Efficient Performance Across All Scenarios,
Power Output Leads by Over 15W



Aesthetic Design:

Frontal Gridline-free Appearance,
Simple and Elegant



Ultimate Safety:

Reliable Temperature Control Protection,
Significantly Reduces Fire Risk



**Bifacial
Power Generation**

15Y Product
Warranty

30Y Performance
Warranty

Complete System and Product Certifications

IEC 61215, IEC 61730

IEC62941: Guideline for module design qualification and type approval

ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety



25.54%

MAX MODULE
EFFICIENCY

1%

FIRST YEAR
POWER DEGRADATION

0.35%

YEAR 2-30
POWER DEGRADATION

-0.24%/°C

BETTER TEMPERATUR
COEFFICIENT

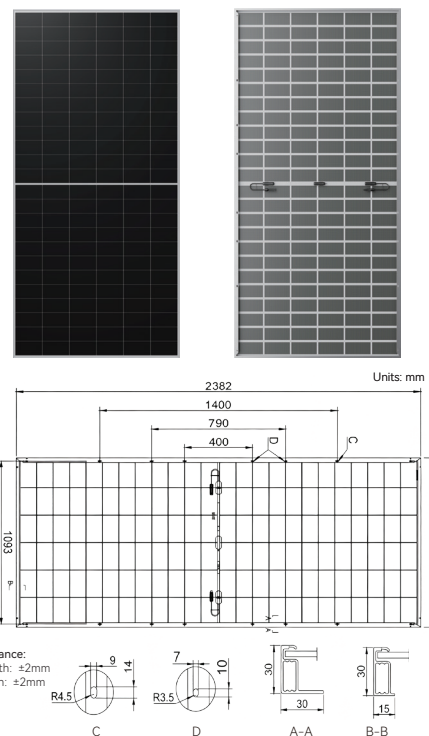
Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
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	32.5 kg
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20'GP / 720pcs per 40'HC

Remark: 17.5m trucks are rated at 30t load. Actual loading quantity is subject to vehicle specs.

Electrical characteristics with different rear side power gain

Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Pmax gain
670	55.20	15.36	45.61	14.69	0%
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%



Electrical Characteristics

·STC: Irradiance1000W/m², Cell Temperature 25°C, AM1.5 (Test uncertainty for Pmax: ±3%)

Module Type	LR7-72HJD-665M	LR7-72HJD-670M	LR7-72HJD-675M	LR7-72HJD-680M	LR7-72HJD-685M	LR7-72HJD-690M
Testing Condition	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	665	670	675	680	685	690
Open Circuit Voltage (Voc/V)	55.10	55.20	55.30	55.40	55.50	55.60
Short Circuit Current (Isc/A)	15.28	15.36	15.44	15.52	15.60	15.68
Voltage at Maximum Power (Vmp/V)	45.51	45.61	45.71	45.81	45.91	46.01
Current at Maximum Power (Imp/A)	14.61	14.69	14.77	14.84	14.92	15.00
Module Efficiency (%)	24.62	24.80	24.99	25.17	25.36	25.54

Operating Parameters

Module [T98] Max	70°C
Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0~3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Bifaciality	φPmax: 60±5%
Fire Rating	IEC Class C

Mechanical Loading

Min Designed Mechanical Load	1600Pa/1600Pa
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