LONGi SOLAR

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

HIBC | TaiRay | N-type

Bifacial Power Generation

15Y Product Warranty | **30Y** Performance Warranty

Complete System and Product Certifications

IEC 61215,IEC 61730

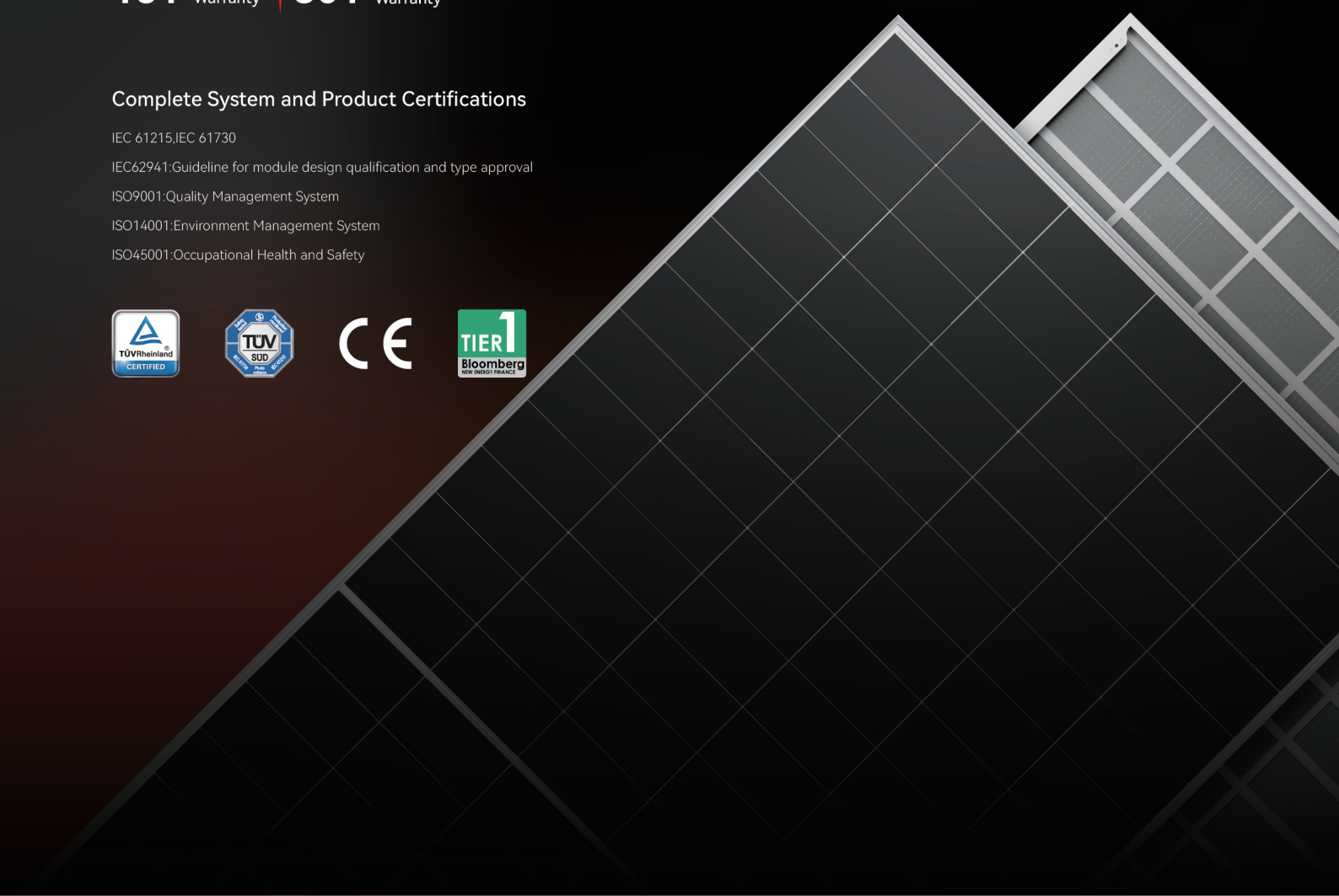
IEC62941:Guideline for module design qualification and type approval

ISO9001:Quality Management System

ISO14001:Environment Management System

ISO45001:Occupational Health and Safety

TÜVRheinland CERTIFIED | TÜV SÜD | CE | TIER 1 Bloomberg NEW ENERGY FINANCE



Hi-MO S10

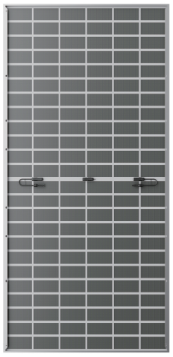
LR7-72HJD 665~690M

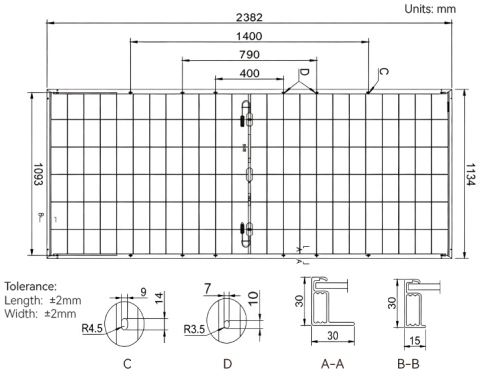
25.54%	1%	0.35%	-0.26%/℃
MAX MODULE EFFICIENCY	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	BETTER TEMPERATUR COEFFICIENT

Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm²; +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℃, 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)	719	724	730	735	740	690
Open Circuit Voltage (Voc/V)	55.10	55.20	55.30	55.40	55.50	55.60
Short Circuit Current (Isc/A)	16.52	16.60	16.69	16.78	16.86	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)	15.80	15.88	15.96	16.05	16.13	15.00
Module Efficiency (%)	26.61	26.81	27.01	27.21	27.41	25.54

Operating Parameters

Module [T98] Max	70℃
Operational Temperature	-40℃ ~ +85℃
Power Output Tolerance	0~3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2℃
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%/℃
Temperature Coefficient of Voc	-0.200%/℃
Temperature Coefficient of Pmax	-0.260%/℃

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①Data Source:TUV CN250XRQ 001 Shadow Shading Test Report, Anti-shading effect vary due to differences in test irradiation conditions, temperature, software, etc.

②Data Source:IEC 61215-2:2021, MQT 09 Hot Spot Test. A comparison was made between the test temperatures of Hi-MO X10 and conventional modules. Test data may vary due to differences in tested modules and institutions.