

LR7-72HVF 640~670M

- Equipped with HPBC 2.0 cell, inheriting high-efficiency gene
- Unique frame design effectively reduces the impact of dust accumulation and improves power generation gain throughout the entire lifecycle
- High reliability, stable operation under harsh conditions
- More suitable for industrial and commercial color steel tile roofs and small angle installation scenarios

15

15-year Warranty for Materials and Processing

30

30-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

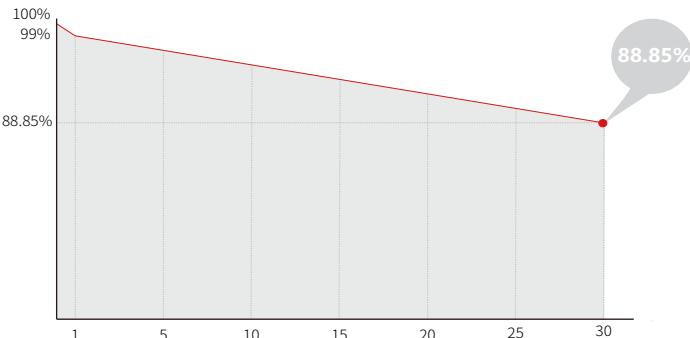
IEC62941: Guideline for module design qualification and type approval

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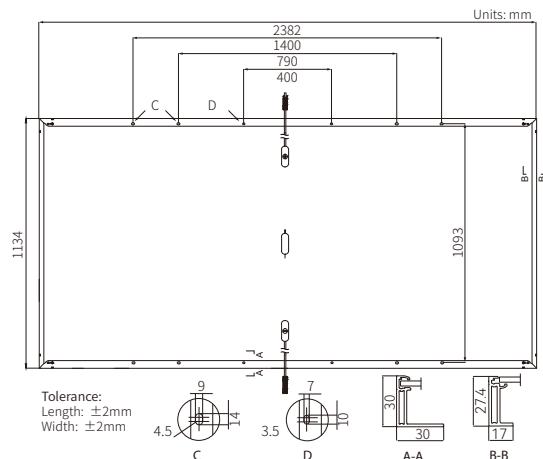


24.8%
MAX MODULE
EFFICIENCY0~3%
POWER
TOLERANCE<1%
FIRST YEAR
POWER DEGRADATION0.35%
YEAR 2-30
POWER DEGRADATIONBC-CELL
LOWER OPERATING
TEMPERATURE**Additional Value**

30-Year Power Warranty

**Mechanical Parameters**

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +400, -200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	28.5kg
Dimension	2382×1134×30mm
Packaging	35pcs per pallet / 140pcs per 20' GP / 700pcs per 40' HC

**Electrical Characteristics**

	STC : AM1.5 1000W/m ² 25°C				NOCT : AM1.5 800W/m ² 20°C 1m/s				Test uncertainty for Pmax: ±3%				
Module Type	LR7-72HVHF-640M	LR7-72HVHF-645M	LR7-72HVHF-650M	LR7-72HVHF-655M	LR7-72HVHF-660M	LR7-72HVHF-665M	LR7-72HVHF-670M	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	640	487	645	491	650	495	655	499	660	502	665	506	670
Open Circuit Voltage (Voc/V)	53.70	51.04	53.80	51.13	53.90	51.23	54.00	51.32	54.10	51.42	54.20	51.52	54.30
Short Circuit Current (Isc/A)	15.13	12.15	15.21	12.22	15.29	12.28	15.37	12.34	15.45	12.41	15.53	12.48	15.61
Voltage at Maximum Power (Vmp/V)	44.36	42.15	44.46	42.25	44.56	42.35	44.66	42.44	44.76	42.54	44.86	42.64	44.96
Current at Maximum Power (Imp/A)	14.43	11.56	14.51	11.63	14.59	11.69	14.67	11.76	14.75	11.82	14.83	11.88	14.91
Module Efficiency(%)	23.7	23.9	24.1	24.2	24.4	24.6	24.8						

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
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	-0.200%/°C
Temperature Coefficient of Pmax	-0.260%/°C