Hi-MO X10 Anti-Dust

LONGi SOLAR

THE smarter E AWARD

LR7-72HVDF

640~665M

- Equipped with HPBC 2.0, a new generation of high-efficiency solar cells
- The exclusive anti-dust frame design effectively reduces the impact of dust accumulation and improves energy generation throughout the entire lifecycle
- High reliability with stable operation under harsh conditions
- More suitable for industrial and commercial rooftops with color-coated steel tiles and for installations at low tilt angles

HPBC 2.0 | TaiRay | N-type

30 **30 year** Warranty for Extra Linear Power Output

15 **15 year** Warranty for Materials and Processing

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

TIER 1 Bloomberg NEW ENERGY FINANCE | TÜV SÜD | CE | PV CYCLE



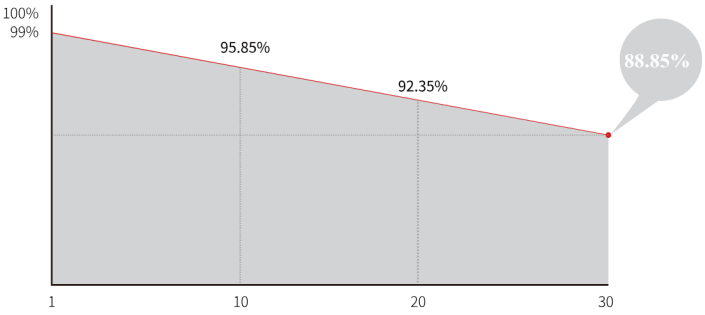
Hi-MO X10 Anti-Dust

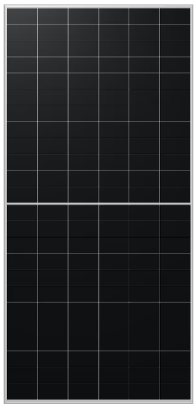
LR7-72HVDF

24.6%	0~3%	1%	0.35%	BC-Cell
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

Additional Value

30 Year Power Warranty

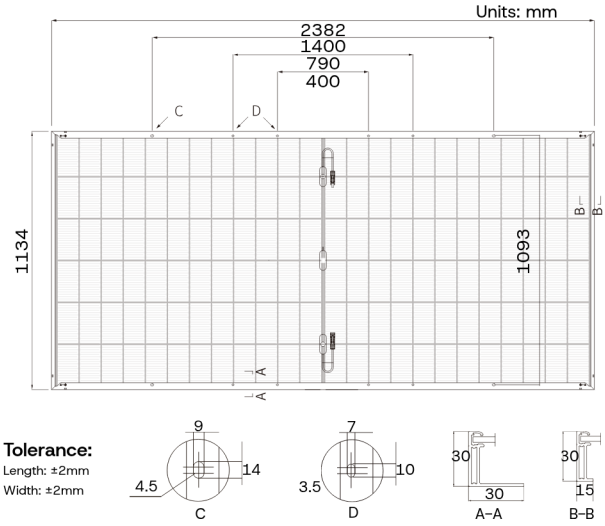






Mechanical Parameters

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	33.5 kg
Dimension	2382×1134×30mm
Packaging	35 pcs per pallet / 140 pcs per 20' GP / 700 pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m2 25℃ NOCT : AM1.5 800W/m2 20℃ 1m/s Test uncertainty for Pmax ±3%

Module Type	LR7-72HVDF-640M		LR7-72HVDF-645M		LR7-72HVDF-650M		LR7-72HVDF-655M		LR7-72HVDF-660M		LR7-72HVDF-665M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	640	487	645	491	650	495	655	499	660	502	665	506
Open Circuit Voltage (Voc/V)	54.02	51.34	54.12	51.43	54.22	51.53	54.32	51.62	54.42	51.72	54.52	51.81
Short Circuit Current (Isc/A)	14.98	12.03	15.06	12.10	15.14	12.16	15.22	12.22	15.30	12.29	15.35	12.33
Voltage at Maximum Power (Vmp/V)	44.67	42.45	44.77	42.55	44.87	42.64	44.97	42.74	45.07	42.83	45.17	42.93
Current at Maximum Power (Imp/A)	14.33	11.49	14.41	11.55	14.49	11.61	14.57	11.68	14.65	11.75	14.72	11.80
Module Efficiency(%)	23.7		23.9		24.1		24.2		24.4		24.6	

Electrical characteristics with different rear side power gain

Pmax /W	Voc/V	Isc/A	Vmp/V	Imp /A	Pmax gain
688	54.32	15.98	44.97	15.30	0.05
721	54.32	16.74	44.97	16.03	0.10
755	54.42	17.50	45.07	16.76	0.15
788	54.42	18.26	45.07	17.48	0.20
821	54.42	19.03	45.07	18.21	0.25

Operating Parameters

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
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%/℃
Temperature Coefficient of Voc	-0.200%/℃
Temperature Coefficient of Pmax	-0.260%/℃

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Specifications included in this datasheet are subject to change without notice. LONGi reserves the right of final interpretation.