Hi-MO X10 Scientist

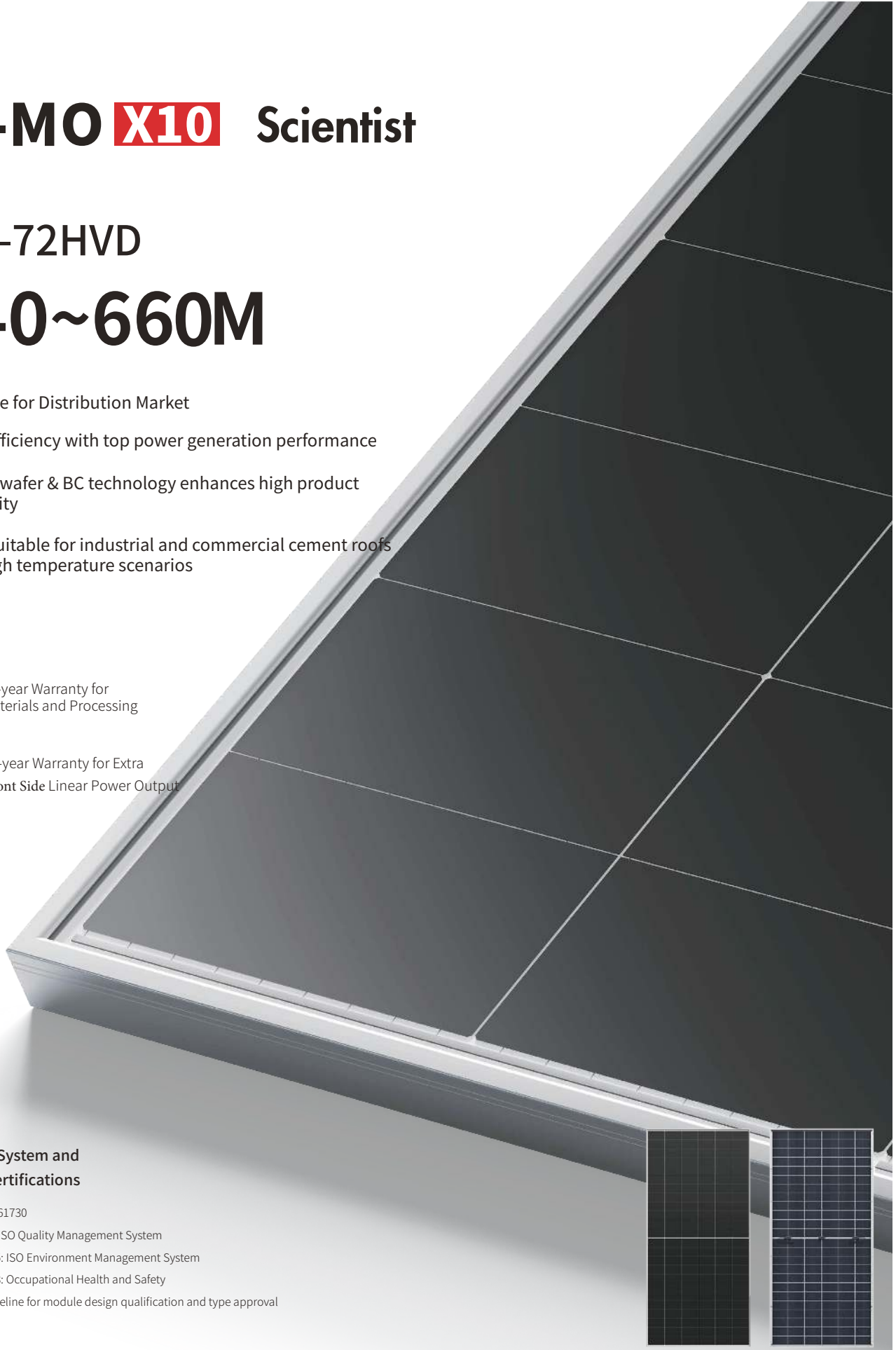
LR7-72HVD

640~660M

- Suitable for Distribution Market
- Peak efficiency with top power generation performance
- TaiRay wafer & BC technology enhances high product reliability
- More suitable for industrial and commercial cement roofs and high temperature scenarios

15 15-year Warranty for Materials and Processing

30 30-year Warranty for Extra Front Side Linear Power Output



Complete System and Product Certifications

IEC 61215, IEC 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

LONGi

TUV SUD

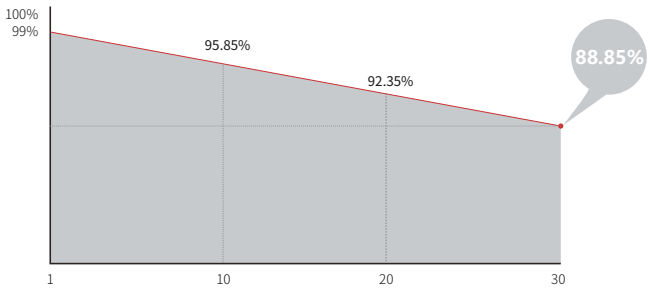
H.-MO X10 Scientist

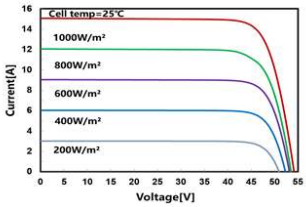
LR7-72HVD 640~665M

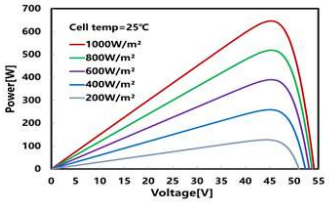
24.6%	0~3%	<1%	0.35%	BC-CELL
MAX MODULE EFFICIENCY	POWER BINNING TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

Additional Value

30-Year Power Warranty

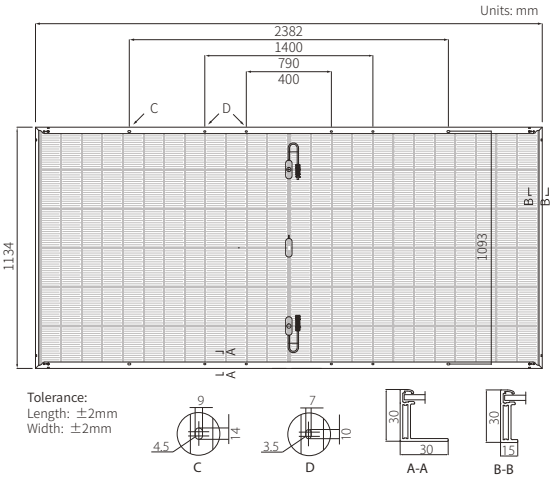






Mechanical Parameters

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	33.5kg
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20' GP / 720pcs per 40' HC
Connector	PV-LR5(Longi) PV-KST4-EVO2A/xy_UR, PV-KBT4-EVO2A/xy_UR(Stäubli)



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C Test uncertainty for Pmax:±3% Voc& Isc: ±5% BSI Bificiality: φPmax 70±5%, φVoc 98%±5%, φIsc 70±5%

Module Type	LR7-72HVD-640M	LR7-72HVD-645M	LR7-72HVD-650M	LR7-72HVD-655M	LR7-72HVD-660M
Testing Condition	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	640	645	650	655	660
Open Circuit Voltage (Voc/V)	54.02	54.12	54.22	54.32	54.42
Short Circuit Current (Isc/A)	14.98	15.06	15.14	15.22	15.30
Voltage at Maximum Power (Vmp/V)	44.67	44.77	44.87	44.97	45.07
Current at Maximum Power (Imp/A)	14.33	14.41	14.49	14.57	14.65
Module Efficiency(%)	23.7	23.9	24.1	24.2	24.4
BSI Short Circuit Current (A)	18.13	18.22	18.32	18.42	18.51

Electrical Characteristics

BNPI : Irradiance:friont 1000/m² rear 135W/m² 25°C AM1.5 BSI: Friont 1000/m² rear 300 W/m² 25°C AM1.5

Module Type	LR7-72HVD-640M	LR7-72HVD-645M	LR7-72HVD-650M	LR7-72HVD-655M	LR7-72HVD-660M
Testing Condition	BNPI	BNPI	BNPI	BNPI	BNPI
Maximum Power (Pmax/W)	700	706	711	717	722
Open Circuit Voltage (Voc/V)	54.02	54.12	54.22	54.32	54.42
Short Circuit Current (Isc/A)	16.40	16.48	16.57	16.66	16.75
Voltage at Maximum Power (Vmp/V)	44.67	44.77	44.87	44.97	45.07
Current at Maximum Power (Imp/A)	15.68	15.77	15.86	15.95	16.03
Module Efficiency(%)	25.9	26.1	26.3	26.5	26.7

Operating Parameters

Module[T98] Max	+70°C
Power Binning 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	70±5%
Fire Rating	UL type 29 IEC Class C
Power Measurement Tolerance:	±3%

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

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ABN: 15 632 322 288
Website: www.longi.com/au

Manufacturer: LONGi Green Energy Technology Co.,Ltd.
Add: No.388,Middle Hangtian Road, Chang'an District, Xi'an, Shaanxi 710100,P.R.China.
Website: www.longi.com
Tel: (+86)400-860-1012
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