Hi-MO X10 Anti-Dust

LONGi SOLAR

LR7-72HVDF

640~670M

Patented Frame Design
Effectively Reduces Dust Accumulation Impact, Boosting Power Generation by 2%+

Scenario Adaptation
Ideal for bifacial gain scenarios, including cement roofs and carport structures

Safe
Prevent Overheating, Lower temperature under shade 60°C+ compare with conventional modules

Value-Added
A+ Anti-Shading, Less Loss.

HPBC 2.0 | TaiRay | N-type

Bifacial Power Generation

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

Complete System and Product Certifications

IEC61215, IEC 61730

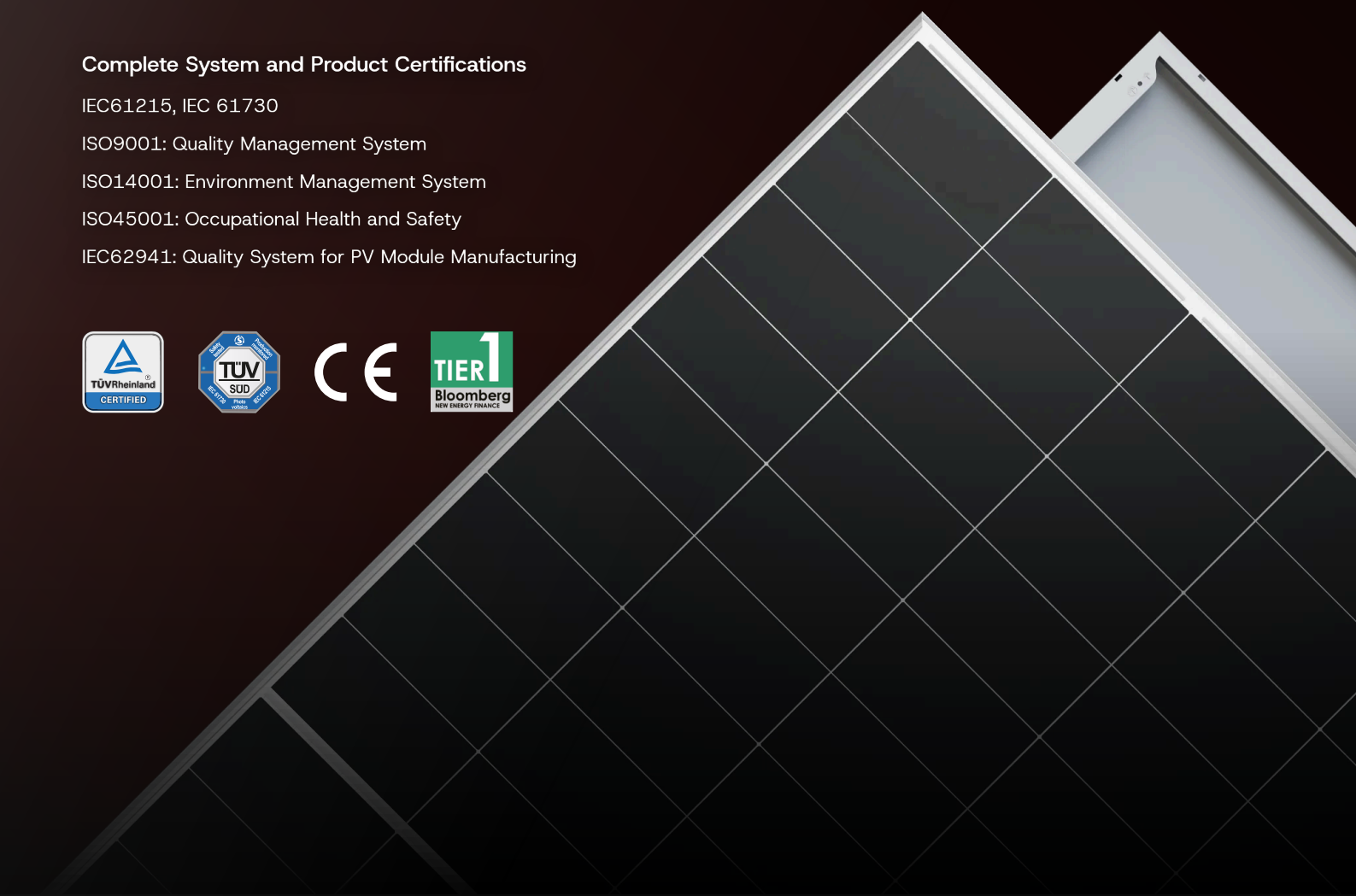
ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety

IEC62941: Quality System for PV Module Manufacturing

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



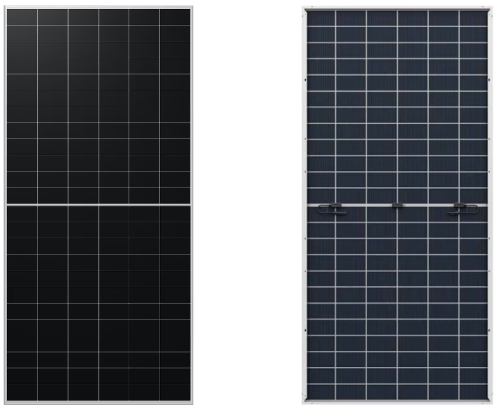
Hi-MO X10 Anti-Dust

LR7-72HVDF

24.8%	0~3%	1%	0.35%	BC-Cell
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

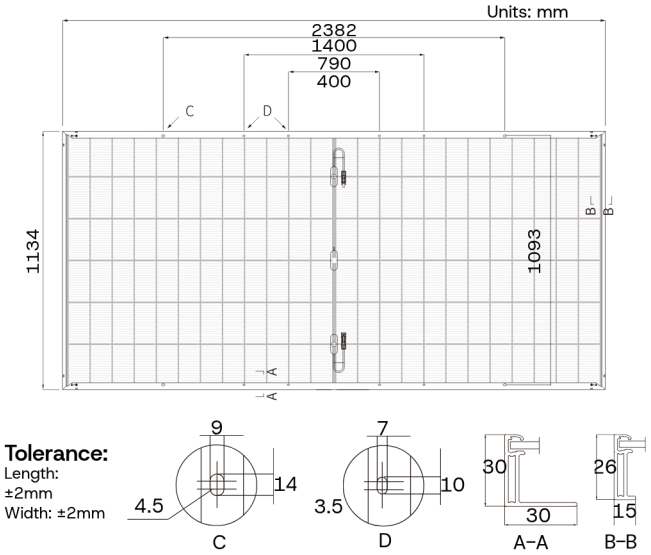
Mechanical Parameters

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	35 pcs per pallet / 140 pcs per 20' GP / 700 pcs per 40' HC



Electrical characteristics with different rear side power gain

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
655	54.32	15.22	44.97	14.57	0%
688	54.32	15.98	44.97	15.30	5%
721	54.32	16.74	44.97	16.03	10%
755	54.42	17.50	45.07	16.76	15%
788	54.42	18.26	45.07	17.48	20%
821	54.42	19.03	45.07	18.21	25%



Electrical Characteristics

STC : AM1.5 1000W/m2 25°C NOCT : AM1.5 800W/m2 20°C 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	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	640	645	650	655	660	665
Open Circuit Voltage (Voc/V)	54.02	54.12	54.22	54.32	54.42	54.52
Short Circuit Current (Isc/A)	14.98	15.06	15.14	15.22	15.30	15.38
Voltage at Maximum Power (Vmp/V)	44.67	44.77	44.87	44.97	45.07	45.17
Current at Maximum Power (Imp/A)	14.33	14.41	14.49	14.57	14.65	14.72
Module Efficiency(%)	23.69	23.88	24.06	24.25	24.43	24.62

Operating Parameters

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
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

LONGi SOLAR

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