Hi-MO X12

LR7-60WVD

550~580M

PRELIMINARY INFORMATION

LONGi SOLAR

Generational Leadership
Power Iteration Upgrade for Higher Energy Yield

Leading Innovation
Integrated Conductive Interconnection, Welding-free

Real Full Screen
Shingling+ Hidden Busbar Design

Ultimate Reliability
Enhanced Crack Resistance, Superior Moisture Protection

HPBC 2.0 | TaiRay | N-type

Monofacial 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 Manufacturing

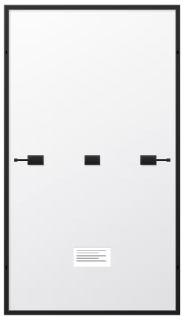
TÜVRheinland CERTIFIED | TÜV SÜD | CE | TIER 1 Bloomberg NEW ENERGY FINANCE

Hi-MO X12

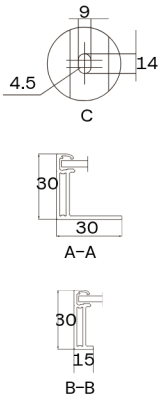
LR7-60WVD

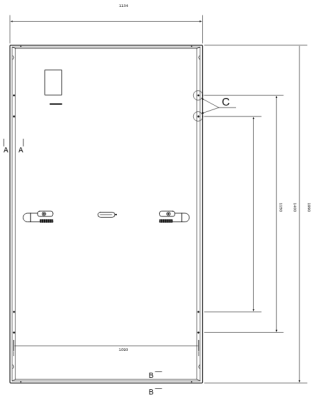
25.7%	0~3%	1%	0.35%	-40°C
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE





Tolerance:
Length: ±2mm
Width: ±2mm





Mechanical Parameters

Cell Orientation	120 (6×20)
Junction Box	IP68, three diodes
Output Cable	4mm2, +400, -200mm/±1400mm length can be customized
Connector	EVO2A(Staubli) or PV-LR5(LONGi)
Glass	Dual glass, 2.0+2.0mm semi-tempered glass
Frame	Black anodized aluminum alloy frame
Weight	28 kg
Dimension	1990×1134×30mm
Packaging	36pcs per pallet / 180pcs per 20'GP / 792pcs 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	LR7-60WVD-550M	LR7-60WVD-555M	LR7-60WVD-560M	LR7-60WVD-565M	LR7-60WVD-570M	LR7-60WVD-575M	LR7-60WVD-580M
Testing Condition	STC	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	550	555	560	565	570	575	580
Open Circuit Voltage (Voc/V)	44.91	45.03	45.15	45.27	45.39	45.51	45.63
Short Circuit Current (Isc/A)	15.49	15.56	15.63	15.70	15.77	15.84	15.91
Voltage at Maximum Power (Vmp/V)	37.20	37.33	37.45	37.57	37.69	37.81	37.93
Current at Maximum Power (Imp/A)	14.79	14.87	14.96	15.04	15.12	15.21	15.29
Module Efficiency(%)	24.37	24.59	24.82	25.04	25.26	25.48	25.70

Operating Parameters

Operational Temperature	-40℃ ~ +85℃
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2℃
Protection Class	Class II
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 Resistance	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%/℃

LONGi SOLAR

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