

Detalle de los PANELES SOLARES



Hi-MO X10 Explorer

24.1%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

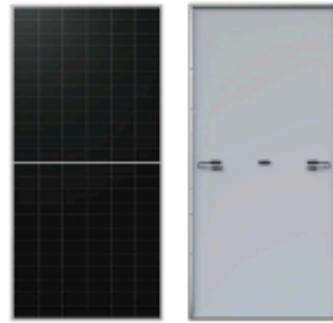
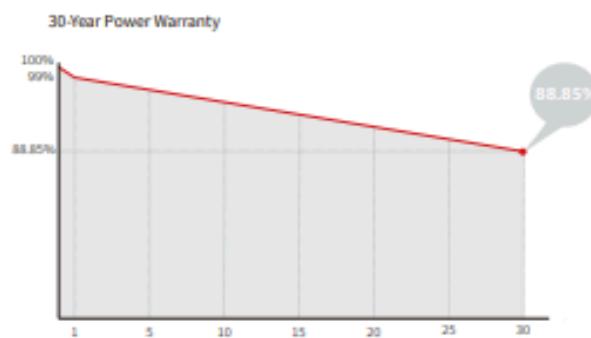
<1%
FIRST YEAR
POWER DEGRADATION

LR7-72HVH 630~650M

0.35%
YEAR 2-30
POWER DEGRADATION

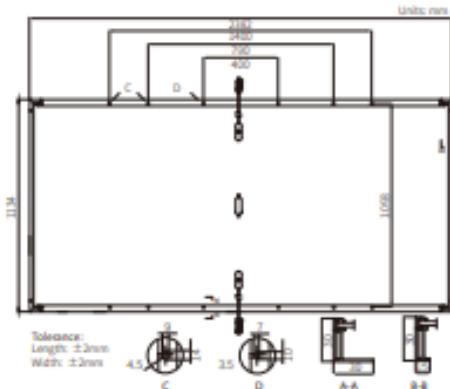
BC-CELL
LOWER OPERATING
TEMPERATURE

Additional Value



Mechanical Parameters

Cell Orientation	144 (5×24)
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	36pcs per pallet / 144pcs per 20' GP / T20pcs 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	LR7-72HVH-630M	LR7-72HVH-635M	LR7-72HVH-640M	LR7-72HVH-645M	LR7-72HVH-650M	
Testing Condition	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT	
Maximum Power (Pmax/W)	630 480	635 483	640 487	645 491	650 495	
Open Circuit Voltage (Voc/V)	53.50 50.84	53.60 50.94	53.70 51.04	53.80 51.13	53.90 51.23	
Short Circuit Current (Isc/A)	14.97 12.02	15.05 12.09	15.13 12.15	15.21 12.22	15.29 12.28	
Voltage at Maximum Power (Vmpp/V)	44.16 41.96	44.26 42.06	44.36 42.15	44.46 42.25	44.56 42.35	
Current at Maximum Power (Impp/A)	14.27 11.44	14.35 11.50	14.43 11.56	14.51 11.63	14.59 11.69	
Module Efficiency(%)	23.3	23.5	23.7	23.9	24.1	

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

LONGI

Specifications included in this datasheet are subject to change without notice.
LONGi reserves the right of final interpretation. (20240607 V01 Draft)