

# Detalle de los PANELES SOLARES



## Hi-MO X10 Explorer

## LR7-72HVH 630~650M

**24.1%**  
MAX MODULE  
EFFICIENCY

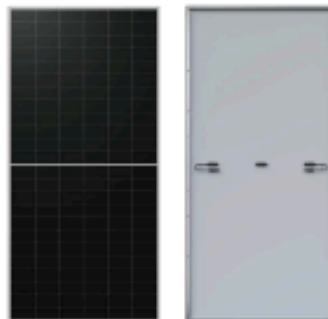
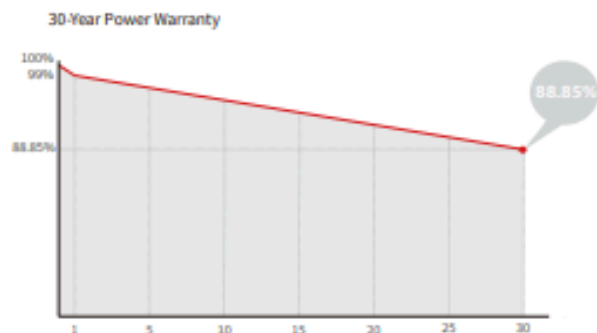
**0~3%**  
POWER  
TOLERANCE

**<1%**  
FIRST YEAR  
POWER DEGRADATION

**0.35%**  
YEAR 2-30  
POWER DEGRADATION

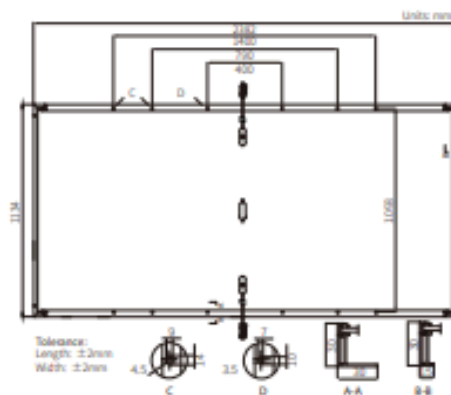
**BC-CELL**  
LOWER OPERATING  
TEMPERATURE

### Additional Value



### Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm², +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 / 720pcs per 40' HC



### Electrical Characteristics

Module Type	STC: AM1.5 1000W/m² 25°C		NOCT: AM1.5 800W/m² 20°C 1m/s		Test uncertainty for Pmax: ±2%	
	LR7-72HVH-630M	LR7-72HVH-635M	LR7-72HVH-640M	LR7-72HVH-645M	LR7-72HVH-650M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	630	480	635	483	640	487
Open Circuit Voltage (Voc/V)	53.50	50.84	53.60	50.94	53.70	51.04
Short Circuit Current (Isc/A)	14.97	12.02	15.05	12.09	15.13	12.15
Voltage at Maximum Power (Vmp/V)	44.36	41.96	44.38	42.06	44.36	42.15
Current at Maximum Power (Imp/A)	14.27	11.44	14.35	11.50	14.43	11.56
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. (20240027 V01 Doc8)