

EL-390~410M -72HN (5BB)

Mono Crystalline PERC Solar Module

KEY FEATURES >>>>



5 Busbar Solar Cell:
5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Power Output:
With up to 410 Wp and 20.38% efficiency, highest performing module of its kind on the market.



PID RESISTANT:
Limited power degradation caused by PID effect is guaranteed under strict testing condition (85°C/85%RH, 96 hours) for mass production.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Severe Weather Resilience:
Certified to withstand: wind load (3800 Pascal) and snow load (5400 Pascal).

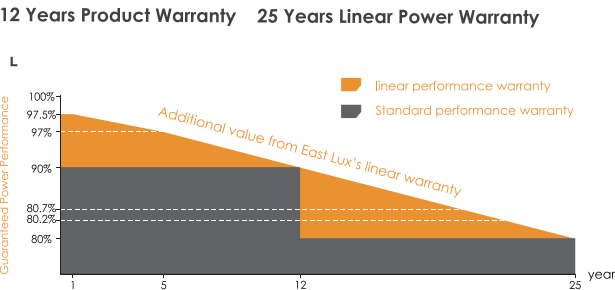


Durability against extreme environmental conditions:
High salt mist and ammonia resistance certified by TÜV SÜD.



Temperature Coefficient:
Improved temperature coefficient decreases power loss during high temperatures.

LINEAR PERFORMANCE WARRANTY



Comprehensive Certificates

- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001:2008: Quality management systems
- ISO 14001:2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management system
- Environmental policy: The first solar company in China to complete Intertek's carbon footprint evaluation program and receive green leaf mark verification for our products

Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defect-free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant



Specifications subject to technical change and tests. East Lux reserves the right of final interpretation.

SPECIFICATIONS

Module Type	EL-390M-72HN		EL-395M-72HN		EL-400M-72HN		EL-405M-72HN		EL-410M-72HN	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	390W	290W	395W	294W	400W	298W	405W	302W	410W	306W
Peak Power Voltage (Vmpp)	40.42V	38.12V	40.65V	38.44V	40.87V	38.76V	41.09V	39.08V	41.27V	39.39V
Peak Power Current (Impp)	9.65A	7.61A	9.72A	7.65A	9.79A	7.69A	9.86A	7.73A	9.93A	7.77A
Open Circuit Voltage (Voc)	48.64V	46.33V	48.92V	46.73V	49.21V	47.14V	49.48V	47.54V	49.76V	47.94V
Short circuit Current (Isc)	10.15A	8.13A	10.22A	8.17A	10.29A	8.21A	10.36A	8.25A	10.43A	8.29A
Component Efficiency (%)	19.38%		19.63%		19.88%		20.13%		20.38%	

STC(Standard Testing Conditions): Irradiance 1000W/m²,Cell Temperature 25°C,AM1.5
 NMOT(Nominal Module Operating Temperature): Irradiance 800W/m²,Ambient Temperature 20°C,Wind Speed 1m/s



Temperature Characteristics

Standard Working Temperature (Noct)	41±3°C
Peak Power Temperature Coefficient	-0.36%/°C
Temperature Coefficient of Open Circuit Voltage	-0.29%/°C
Short-circuit Current Temperature Coefficient	+0.05%/°C



Temperature Characteristics

Working Temperature	-40°C to~+85°C
Maximum System Voltage	DC 1000V/1500V (IEC)
Maximum Fuse Rating	20A
Power Tolerance	0/+5W



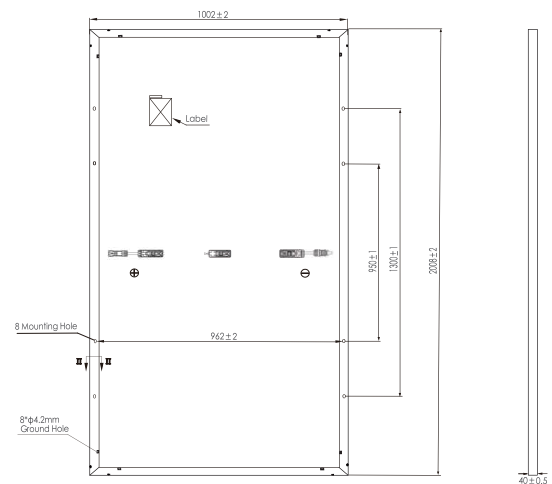
Mechanical Data

Cell Type	158.75*79.375mm Mono
Cell Orientation	144(6X24)
Module Dimension	2008x1002x40mm
Weight	22.5kg
Front	3.2mm high transmittance, reinforced glass
Aluminum Frame	Anodized Aluminum Alloy
Junction Box	IP68 (3 Bypass Diodes)
	4.0mm ²
Connecting Cable	Cable length
	300mm
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa/Back 2400Pa

* Power measurement tolerance: ± 3%

Electrical data in this catalogue do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

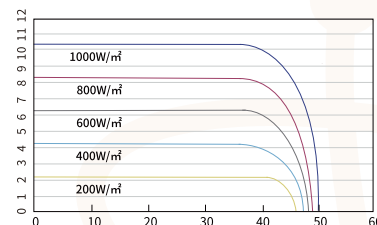
Module Dimensions(mm)



I-V Curve

Current-Voltage Curve (410W)

Current (A)



STC

- Irradiance 1000W/m²
- Cell Temperature 25°C
- AM=1.5

NOCT

- Irradiance 800W/m²
- Ambient Temperature 20°C
- Wind Speed 1m/s
- AM=1.5

Packaging Configuration

Modules per Pallet: 27pcs
 Modules per 40' HQ Container: 594pcs