

**East Lux**  
Power from East

# EL-390~410M -72H (9BB)

**High Efficiency Mono Crystalline PERC  
Solar Module**

## KEY FEATURES >>>>



### 9 Busbar Solar Cell:

9 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,96hours) 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.

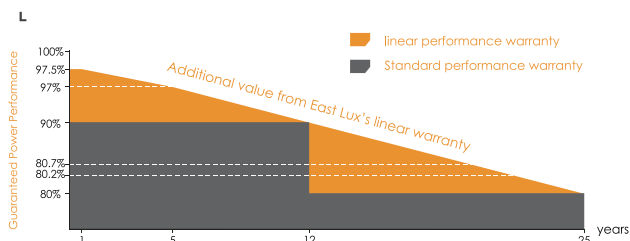


### Temperature Coefficient:

Improved temperature coefficient decreases power loss during high temperatures.

## LINEAR PERFORMANCE WARRANTY

12 Years Product Warranty 25 Years Linear Power 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-72H		EL-395M-72H		EL-400M-72H		EL-405M-72H		EL-410M-72H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	390W	289W	395W	293W	400W	297W	405W	301W	410W	305W
Open Circuit Voltage (Voc)	49.09V	45.72V	49.47V	45.99V	49.85V	46.26V	50.34V	46.53V	50.77V	46.79V
Short circuit Current (Isc)	10.25A	8.17A	10.29A	8.23A	10.33A	8.29A	10.35A	8.35A	10.38A	8.41A
Peak Power Voltage (Vmpp)	40.62V	37.49V	40.93V	37.71V	41.24V	37.93V	41.54V	38.15V	44.84V	38.36V
Peak Power Current (Impp)	9.60A	7.71A	9.65A	7.77A	9.70A	7.83A	9.75A	7.89A	9.80A	7.95A
Component Efficiency (%)	19.38%		19.63%		19.88%		20.13%		20.38%	

STC(Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>,Cell Temperature 25°C,AM1.5  
 NMOT(Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>,Ambient Temperature 20°C,Wind Speed 1m/s



## Temperature Characteristics

Standard Working Temperature (Noct)	45±2°C
Peak Power Temperature Coefficient	-0.36%/°C
Temperature Coefficient of Open Circuit Voltage	-0.28%/°C
Short-circuit Current Temperature Coefficient	+0.05%/°C



## Temperature Characteristics

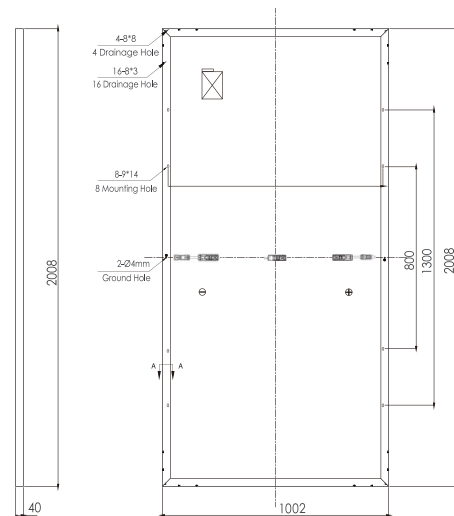
Working Temperature	-40°C to~+85°C
Maximum System Voltage	DC 1500V (IEC)
Maximum Fuse Rating	20A
Power Tolerance	0/+5W



## Mechanical Data

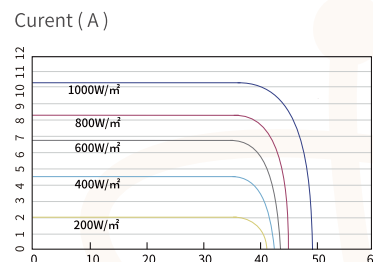
Cell Type	158.75*79.375mm Mono
Cell Orientation	144(6x24)
Module Dimension	2008*1002*40mm
Weight	22.0kg
Front	3.2mm high transmittance, reinforced glass
Aluminum Frame	Anodized Aluminum Alloy
Junction Box	IP68 (3 Bypass Diodes)
	4.0mm <sup>2</sup>
Connecting Cable	Cable length
	300mm
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa/Back 2400Pa

## Module Dimensions(mm)



## I-V Curve

Current-Voltage Curve (400W)



### STC

- Irradiance 1000W/m<sup>2</sup>
- Cell Temperature 25°C
- AM=1.5

### NOCT

- Irradiance 800W/m<sup>2</sup>
- Ambient Temperature 20°C
- Wind Speed 1m/s
- AM=1.5

## Packaging Configuration

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

\* 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.