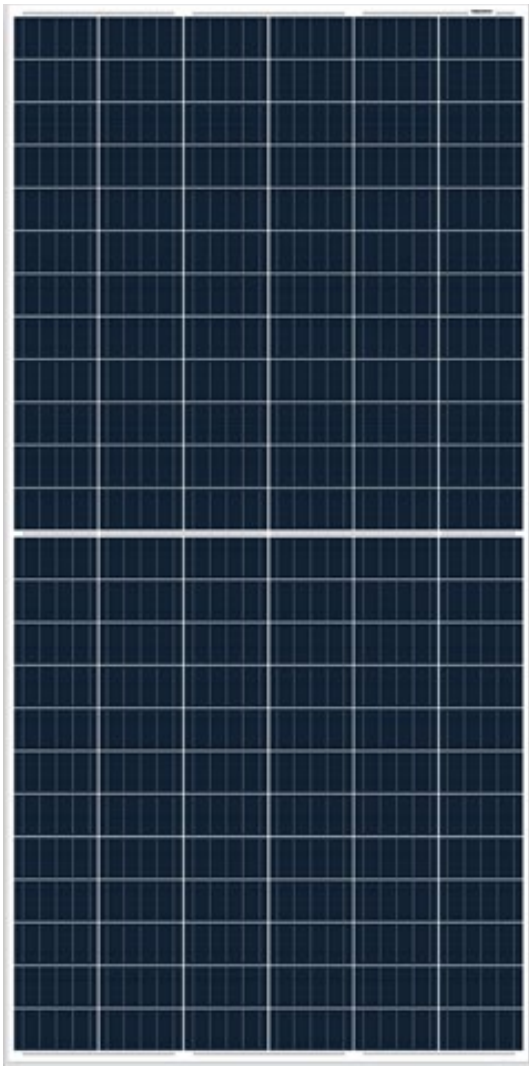
EL390~410M-72HN

Mono Crystalline PERC Solar Module

East Lux
Power from East



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℃/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 (2400 Pascal) and snow load (5400 Pascal).

Durability against extreme environmental conditions:
High salt mist and ammonia resistance certified by TUV NORD.

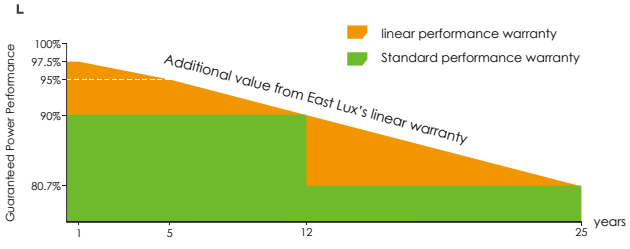
Temperature Coefficient:
Improved temperature coefficient decreases power loss during high temperatures.

Reliable Quality

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

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 verfication for our products

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

Electrial Data (STC)

Module Type	EL-390M-72HN	EL-395M-72HN	EL-400M-72HN	EL-405M-72HN	EL-410M-72HN
Maximum Power (Pmax/W)	390	395	400	405	410
Volage at Maximum Power (Vmp/V)	40.42	40.65	40.87	41.09	41.29
Current at Maximum Power (Imp/A)	9.65	9.72	9.79	9.86	9.93
Open circuit Voltage (Voc/V)	48.64	48.92	49.21	49.48	49.76
Short circuit Current (Isc/A)	10.15	10.22	10.29	10.36	10.43
Module Efficiency STC (%)	19.38	19.63	19.88	20.13	20.38

Electrial Data (NMOT)

Maximum Power (Pmax/W)	290	294	298	302	306
Volage at Maximum Power (Vmp/V)	38.12	38.44	38.76	39.08	39.39
Current at Maximum Power (Imp/A)	7.61	7.65	7.69	7.73	7.77
Open circuit Voltage (Voc/V)	46.33	46.73	47.14	47.54	47.94
Short circuit Current (Isc/A)	8.13	8.17	8.21	8.25	8.29

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

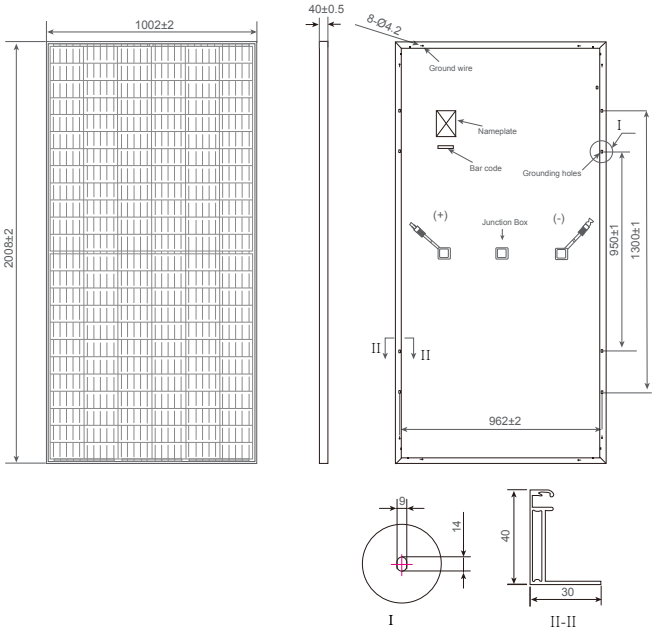
Temperature Coefficients

Temperature Coefficients (Pm)	-0.393%/℃
Temperature Coefficients (Voc)	-0.287%/℃
Temperature Coefficients (Isc)	0.024%/℃

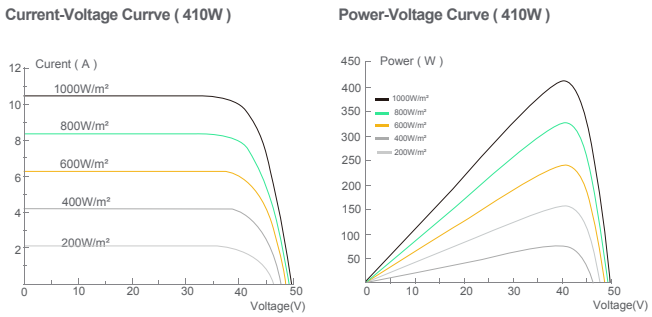
Operating Parameters

Maximum System Voltage	1000/1500V
Operating Temperature	-40℃~+85℃
NMOT(Nominal Moudule Operating Temperature)	41±3℃

Module Dimensions(mm)



I-V Currve



Mechanical Data

Cell Type	158.75x79.375mm Mono
Cell Orientation	144(6x24)
Module Dimension	2008x1002x40mm
Weight	22.5kg
Glass	3.2mm high transmittance,reinforced glass
Backsheet	2.5mm part of the structure is grid-like white ceramic glass
Junction Box	Protection class IP67
Cable	4.0mm² photovoltaic special cable
Connector	MC4 compatible connector

Packaging Configuration

Modules per Pallet: 27+27+4pcs

Modules per 40' HQ Container: 638pcs

*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

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

* 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.