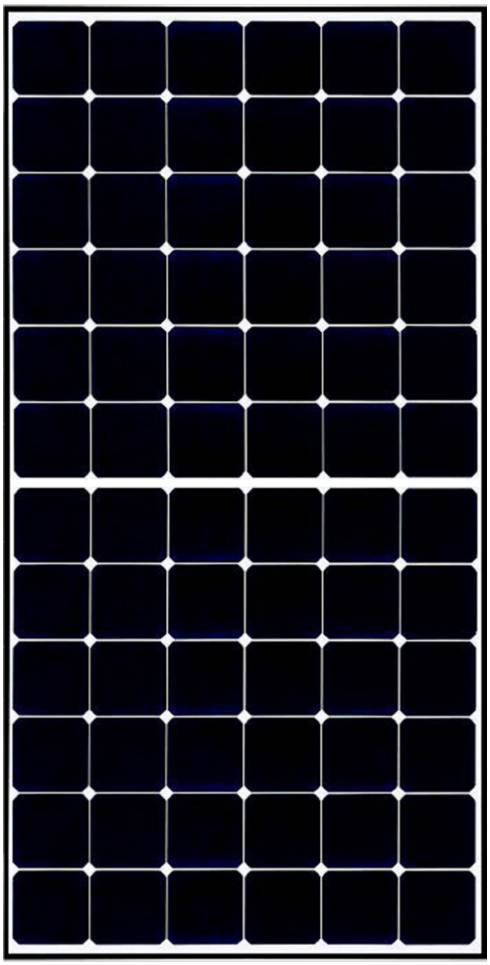
east Lux energy

TOP PERFORMER 2021 PVEL PV MODULE RELIABILITY SCORECARD

# EL(LFL)-72
# High Efficiency Series
## 460W|465W|470W

25 year product warranty

25 year performance warranty



## FEATURES

- Up to 22.0% Efficiency
- Max dimension, Max power generation
- IBC-No electrode to block sunlight
- N-Type cell has ZERO LID
- Excellent Temperature Coefficient
- Anti-PID
- Low mismatch loss
- Minimal power degradation (93% of initial after 25years)
- Double 25 Years Warranty

72 CELLS

Micro-crack Free

ZERO LID

Salt Mist and Ammonia Corrosion Resistant

German Engineering

TIER 1 Bloomberg NEW ENERGY FINANCE Tier 1 Choice of Materials

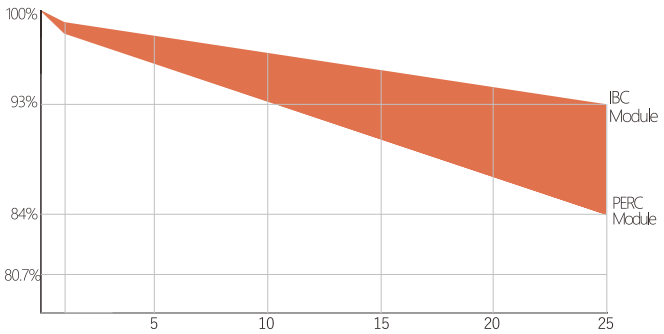
East Lux Energy Technology Co., Ltd
No. 29 Longcheng Ave., Longgang District, Shenzhen, China

Tel: +86-755-28262663
E-mail: sales@eastluxenergy.com
Web:www.eastluxenergy.com

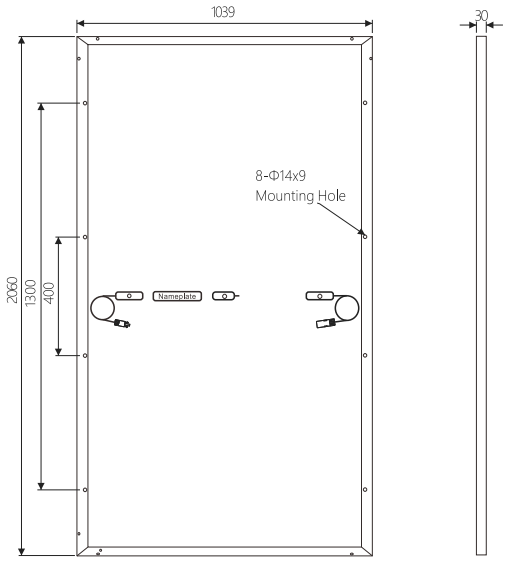
## Electrical Parameters

| Module Type | EL-72-460 | | EL-72-465 | | EL-72-470 | |
|---|---|---|---|---|---|---|
| | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 460 | 346 | 465 | 350 | 470 | 354 |
| Maximum Power Voltage (Vmpp/V) | 42.4 | 39.5 | 42.6 | 39.7 | 42.8 | 39.9 |
| Maximum Power Current (Impp/A) | 10.85 | 8.76 | 10.92 | 8.82 | 10.98 | 8.88 |
| Open Circuit Voltage (Voc/V) | 50.1 | 48.0 | 50.2 | 48.1 | 50.3 | 48.2 |
| Short Circuit Current (Isc/A) | 11.69 | 9.45 | 11.79 | 9.53 | 11.88 | 9.59 |
| Module Efficiency | 21.5% | | 21.7% | | 22.0% | |

## Additional Value



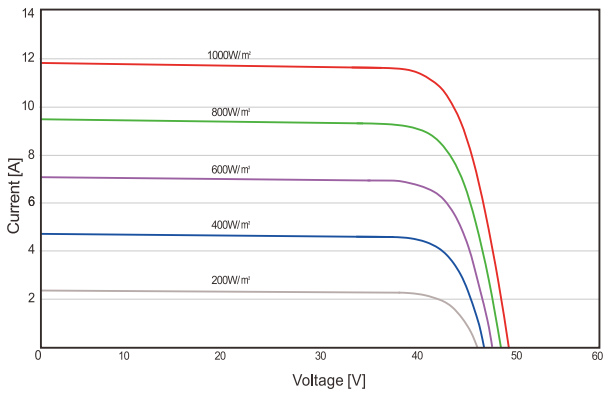

## Dimensions(Units:mm)




## Mechanical Parameters

| | |
|---|---|
| Cell Type | NIBC 166x83mm(Half-Cell) |
| No. of Cells | 144(6x24) |
| Junction Box | Ip68 with three bypass diodes |
| Output Cable | 4mm², 1600mm with MC4 (Length can be customed) |
| Glass | 3.2mm coated tempered glass |
| Frame | Anodized aluminum alloy frame |
| Dimension | 2060x1039x30mm |
| Weight | 22.5kg |

## I-V Curves(465W)




## Operating Conditions

| | |
|---|---|
| Maximum System Voltage | 1500V DC(IEC) |
| Operational Temperature | -40~+85°C |
| Maximum Series Fuse Rating | 20A |
| Mechanical Test Load (Front) | 5400Pa |
| Mechanical Test Load (Rear) | 2400Pa |

## Temperature Characteristics (STC)

| | | |
|---|---|---|
| Pmax | %/°C | -0. 290 |
| Voc | %/°C | -0. 246 |
| Isc | %/°C | +0. 046 |

## Packaging Configuration

| | | |
|---|---|---|
| No. of Modules Per Pallet | EA | 35 |
| No. of Pallets Per 40ft HQ container | EA | 24 |
| No. of Modules Per 40ft HQ container | EA | 770 |

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