



# EL-525~545M -72H (9BB/11BB available)


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 545Wp and 21.09% 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.

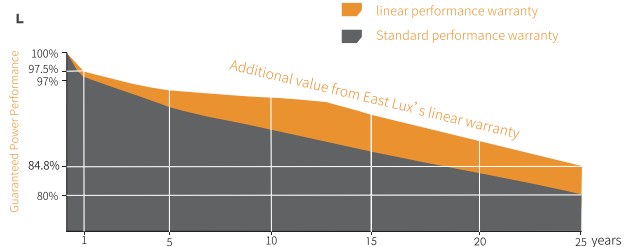
**Severe Weather Resilience:**  
 Certified to withstand: wind load (3800 Pascal) and snow load (5400 Pascal).

**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

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-525M5-72H		EL-530M5-72H		EL-535M5-72H		EL-540M5-72H		EL-545M5-72H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	525W	397W	530W	401W	535W	405W	540W	409W	545W	413W
Open Circuit Voltage (Voc)	49.59V	46.92V	49.74V	47.16V	49.89V	47.40V	50.04V	47.63V	50.18V	47.87V
Short circuit Current (Isc)	13.55A	10.87A	13.62A	10.91A	13.69A	10.95A	13.76A	10.99A	13.83A	11.03A
Peak Power Voltage (Vmpp)	41.47V	38.73V	41.63V	38.97V	41.80V	39.21V	41.96V	39.44V	42.12V	39.67V
Peak Power Current (Impp)	12.66A	10.25A	12.73A	10.29A	12.80A	10.33A	12.87A	10.37A	12.94A	10.41A
Component Efficiency (%)	20.31%		20.51%		20.70%		20.89%		21.09%	

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

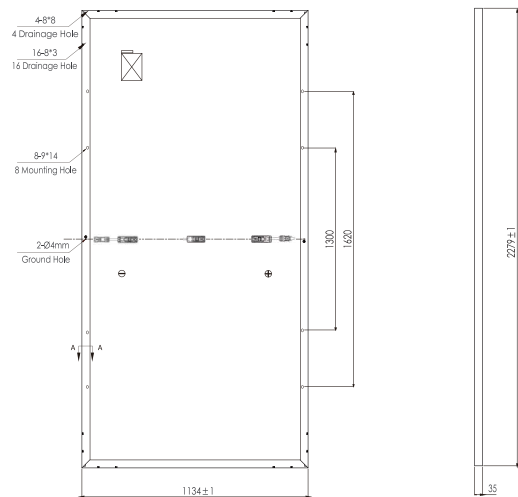
Working Temperature	-40°C to~+85°C
Maximum System Voltage	DC 1500V (IEC)
Maximum Fuse Rating	20A
Power Tolerance	0/+5W



## Mechanical Data

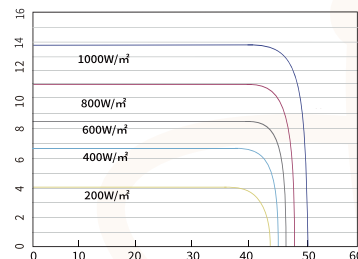
Cell Type	182*91mm Mono
Cell Orientation	144 (6X24)
Module Dimension	2279*1134*35mm
Weight	28.5kg
Front	3.2mm high transmittance, reinforced glass
Aluminum Frame	Anodized Aluminum Alloy
Junction Box	IP68 (3 Bypass Diodes)
	4.0mm <sup>2</sup>
Connecting Cable	Cable length
	300mm (+) /400mm (-)
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa

## Module Dimensions(mm)



## I-V Curve

Current-Voltage Curve (530W)  
Current (A)



### 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: **31pcs**  
 Modules per 40' HQ Container: **620pcs**

\* 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.