

East Lux
Power from East

EL-525~540M5 -72H (11BB)

**Bifacial DG Mono Crystalline PERC
Solar Module Frame**

KEY FEATURES >>>>



11 Busbar Solar Cell:

11busbar 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 540Wp and 20.80% 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:

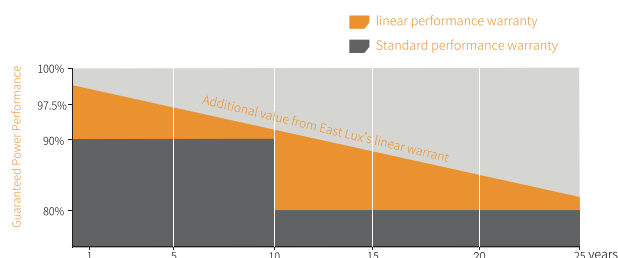
Improved temperature coefficient decreases power loss during high temperatures.



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

LINEAR PERFORMANCE WARRANTY

10 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 defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

Module Type	EL-525M5-72H		EL-530M5-72H		EL-535M5-72H		EL-540M5-72H	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax)	525W	397W	530W	401W	535W	404W	540W	408W
Open Circuit Voltage (Voc)	49.15V	46.05V	49.30V	46.18V	49.45V	46.31V	49.60V	46.43V
Short circuit Current (Isc)	13.65A	10.97A	13.72A	11.01A	13.79A	11.05A	13.86A	11.09A
Peak Power Voltage (Vmpp)	41.15V	38.36V	41.31V	38.57V	41.47V	38.78V	41.64V	38.99V
Peak Power Current (Impp)	12.76A	10.35A	12.83A	10.39A	12.90A	10.43A	12.97A	10.37A
Component Efficiency (%)	20.3%		20.5%		20.6%		20.8%	

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

Rear Side Power Gain

5%	Peak Power (Pmax)	546W	551W	556W	562W
	Component Efficiency (%)	21.31%	21.52%	21.63%	21.84%
10%	Peak Power (Pmax)	562W	567W	572W	578W
	Component Efficiency (%)	23.34%	23.57%	23.69%	23.92%
25%	Peak Power (Pmax)	620W	625W	630W	638W
	Component Efficiency (%)	25.37%	25.62%	25.75%	26.00%



Temperature Characteristics

Standard Working Temperature (NMOT)	45±2°C
Peak Power Temperature Coefficient	-0.350%/°C
Temperature Coefficient of Open Circuit Voltage	-0.275%/°C
Short-circuit Current Temperature Coefficient	+0.045%/°C



Temperature Characteristics

Working Temperature	-40°C to ~+85°C
Maximum System Voltage	DC 1500V (IEC)
Maximum Fuse Rating	25A
Power Tolerance	0/+5W
Bifaciality	70%±10%



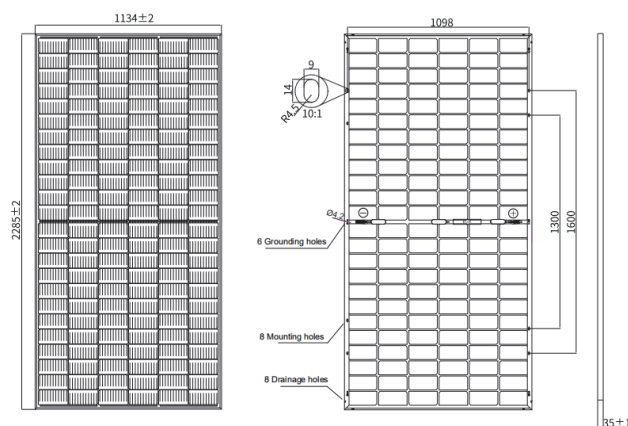
Mechanical Data

Cell Type	182*91mm Mono
Cell Orientation	144 (6X24)
Module Dimension	2285±2*1134±2*35±1mm
Weight	31.6kg±3%
Front/Back	2.0mm Tempered Glass
Aluminum Frame	Anodized Aluminum Alloy
Junction Box	IP68 (3 Bypass Diodes)
	4.0mm²
Connecting Cable	Cable length
	300mm (+) /300mm (-)
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa

* Power measurement tolerance: ± 3%

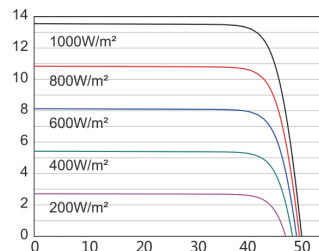
Electrical data in this catalogue do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Module Dimensions(mm)



I-V Curve

Current-Voltage Curve (540W)
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: 31pcs
Modules per 40' HQ Container: 620pcs
Modules per 20' GP Container: 310pcs