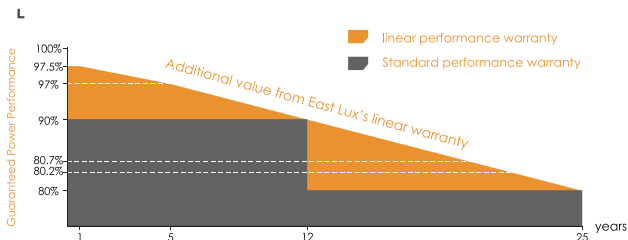




LINEAR PERFORMANCE WARRANTY

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



East Lux
Power from East

EL-575~595M -78H (9BB)

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 595 Wp and 21.28% 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 (2400 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.

SPECIFICATIONS

Module Type	EL-575M-78H		EL-580M-78H		EL-585M-78H		EL-590M-78H		EL-595M-78H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	575W	430W	580W	434W	585W	438W	590W	442W	595W	446W
Peak Power Voltage (Vmp)	45.37V	41.63V	45.47V	41.73V	45.57V	41.83V	45.67V	41.93V	46.77V	42.03V
Peak Power Current (Imp)	12.68A	10.33A	12.76A	10.41A	12.84A	10.48A	12.92A	10.55A	13.01A	10.62A
Open Circuit Voltage (Voc)	53.98V	49.63V	54.08V	49.73V	54.18V	49.83V	54.28V	49.93V	54.38V	50.03V
Short circuit Current (Isc)	13.31A	11.11A	13.41A	11.19A	13.49A	11.27A	13.58A	11.35A	13.67A	11.43A
Component Efficiency (%)	20.57%		20.75%		20.93%		21.10%		21.28%	

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



Temperature Characteristics

Standard Working Temperature (Noct) 41±3°C

Peak Power Temperature Coefficient -0.38%/°C

Temperature Coefficient of Open Circuit Voltage -0.29%/°C

Short-circuit Current Temperature Coefficient +0.05%/°C



Temperature Characteristics

Working Temperature -40°C to~+85°C

Maximum System Voltage DC 1000V/1500V (IEC)

Maximum Fuse Rating 20A

Power Tolerance 0/+5W



Mechanical Data

Cell Type 182*91mm Mono

Cell Orientation 156(6x26)

Module Dimension 2474*1130*40mm

Weight 31.0kg

Front 3.2mm high transmittance, reinforced glass

Aluminum Frame Anodized Aluminium Alloy

Junction Box IP68 (3 Bypass Diodes)

Cables 4.0mm²

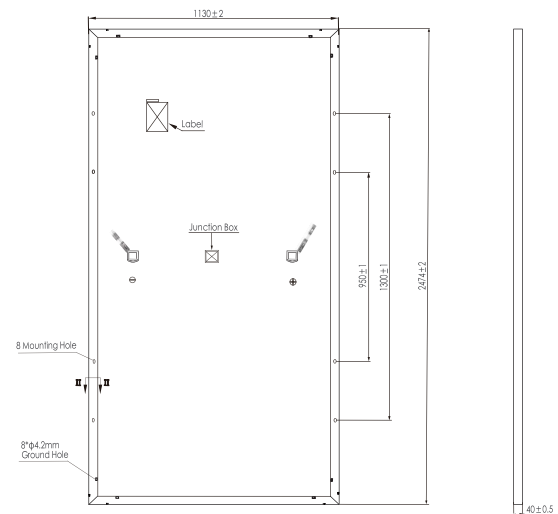
Positive(+) 300mm, Negative(-) 400mm

Wire length can be customized

Plug Connector MC4 compatible connector

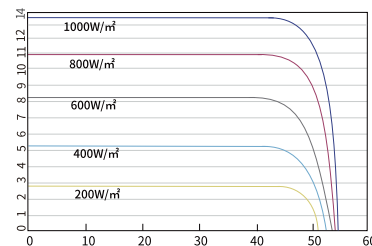
Maximum Mechanical Load Front 5400Pa/Back 2400Pa

Module Dimensions(mm)



I-V Curve

Current-Voltage Curve (595W)
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: 27pcs

Modules per 40' HQ Container: 486pcs

* 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.