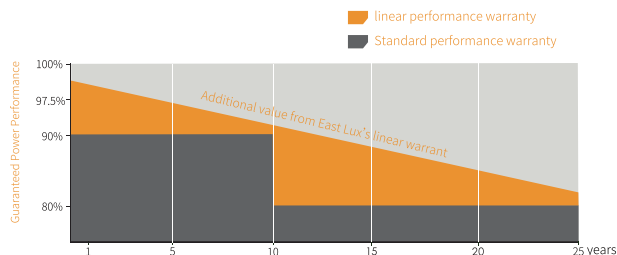




LINEAR PERFORMANCE WARRANTY

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



East Lux
Power from East

EL-440~455M5 -60H (11BB)

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

KEY FEATURES >>>>



11 Busbar Solar Cell:

11 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 21.01% 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.

Module Type	EL-440M5-60H		EL-445M5-60H		EL-450M5-60H		EL-455M5-60H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	440W	397W	445W	401W	450W	405W	455W	409W
Open Circuit Voltage (Voc)	40.96V	46.92V	41.12V	47.16V	41.35V	47.40V	41.50V	47.63V
Short circuit Current (Isc)	12.78A	10.87A	12.87A	10.91A	12.97A	10.95A	13.06A	10.99A
Peak Power Voltage (Vmpp)	34.43V	38.73V	34.58V	38.97V	34.71V	39.21V	34.85V	39.44V
Peak Power Current (Impp)	11.45A	10.25A	11.50A	10.29A	11.55A	10.33A	11.62A	10.37A
Component Efficiency (%)	20.5%		20.7%		20.8%		21.0%	

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)	479W	484W	489W	494W
	Component Efficiency (%)	21.46%	21.66%	21.86%	22.07%
10%	Peak Power (Pmax)	610W	615W	621W	627W
	Component Efficiency (%)	23.50%	23.72%	23.94%	24.17%
25%	Peak Power (Pmax)	663W	669W	675W	681W
	Component Efficiency (%)	25.55%	25.79%	26.03%	26.27%



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%



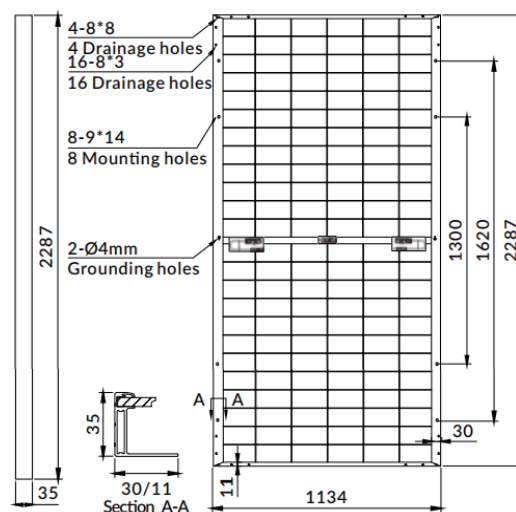
Mechanical Data

Cell Type	182*91mm Mono
Cell Orientation	120 (6X20)
Module Dimension	1909*1134*35mm
Weight	25.2kg
Front	2.0mm Tempered Glass
Aluminum Frame	2.0mm Tempered Glass
Junction Box	IP68 (3 Bypass Diodes)
	4.0mm²
Connecting Cable	Cable length
	300mm (+) / 400mm (-)
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa

* Power measurement tolerance: ± 3%

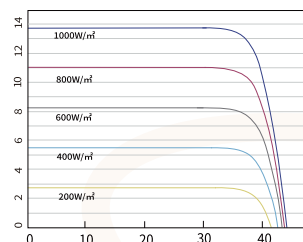
Electrical data in this catalogue do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Module Dimensions(mm)



I-V Curve

Current-Voltage Curve (450W)
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:
Modules per 40' HQ Container:
Modules per Container: