




EL-480~500M5 -66H (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 500 Wp and 21.06% 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.

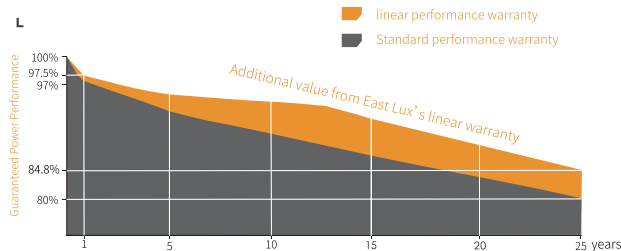
Severe Weather Resilience:
 Certified to withstand: wind load (3800 Pascal) and snow load (5400 Pascal).

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-480M5-66H		EL-485M5-66H		EL-490M5-66H		EL-495M5-66H		EL-500M5-66H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	480W	361W	485W	365W	490W	369W	495W	373W	500W	377W
Open Circuit Voltage (Voc)	48.18V	44.67V	48.34V	44.93V	48.51V	45.18V	48.67V	45.44V	48.83V	45.69V
Short circuit Current (Isc)	12.92A	10.51A	12.99A	10.55A	13.06A	10.59A	13.13A	10.63A	13.20A	10.67A
Peak Power Voltage (Vmpp)	39.90V	36.50V	40.08V	36.76V	40.26V	37.01V	40.44V	37.26V	40.62V	37.51V
Peak Power Current (Impp)	12.03A	9.89A	12.10A	9.93A	12.17A	9.97A	12.24A	10.01A	12.31A	10.05A
Component Efficiency (%)	20.21%		20.42%		20.64%		20.85%		21.06%	

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)	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

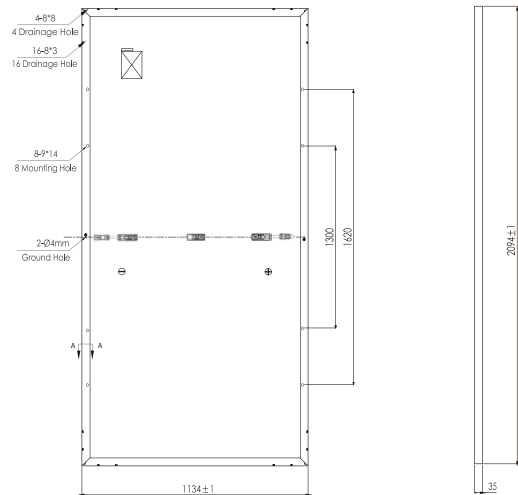
Working Temperature	-40°C to~+85°C
Maximum System Voltage	DC 1500V (IEC)
Maximum Fuse Rating	20A
Power Tolerance	0/+5W



Mechanical Data

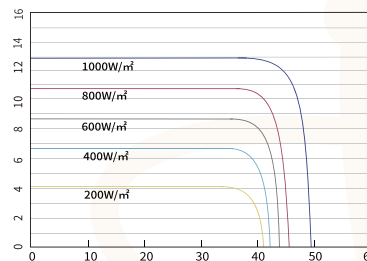
Cell Type	182*91mm Mono
Cell Orientation	132 (6X22)
Module Dimension	2094*1134*35mm
Weight	26.0kg
Front	3.2mm high transmittance, reinforced glass
Aluminum Frame	Anodized Aluminum Alloy
Junction Box	IP68 (3 Bypass Diodes)
	4.0mm ²
Connecting Cable	Cable length
	300mm (+)/400mm (-)
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa

Module Dimensions(mm)



I-V Curve

Current-Voltage Curve (485W)
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: **682pcs**

* 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.