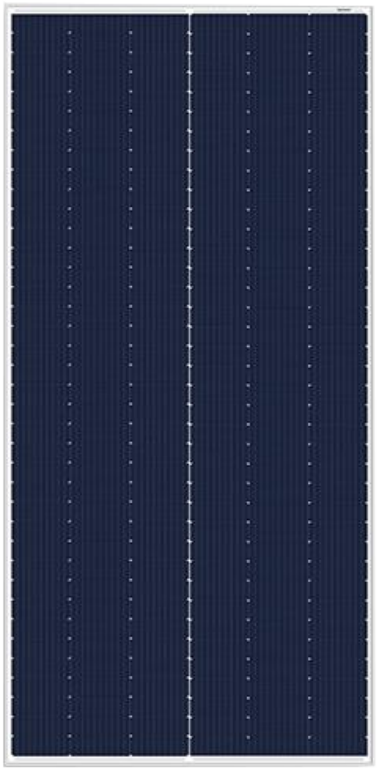


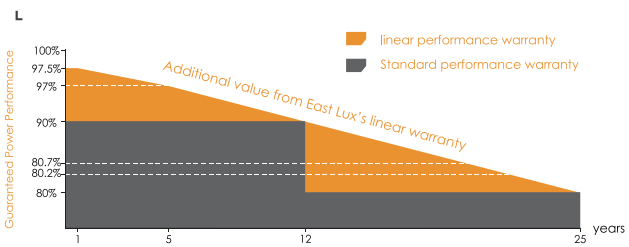
East Lux
Power from East

EL-480~500UHV -80M (9BB)

High Efficiency Mono Crystalline PERC Solar Module

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 verfication 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

KEY FEATURES »»»

9 Busbar Solar Cell:
9 busbar solar cell adopts new technology to improve theefficiency of modules,offers a better aesthetic appearance,making it perfect for rooftop installation.

High Power Output:
With up to 500 Wp and 21.43% efficiency, highest performing module of its kind on the market.

PID RESISTANT:
Limited power degradation caused by PID effect is guaranteed understrict testing condition (85°C/85%RH,96hours) 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 TUV NORD.

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-480UHV-80M		EL-485UHV-80M		EL-490UHV-80M		EL-495UHV-80M		EL-500UHV-80M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	480W	359W	485W	363W	490W	367W	495W	371 W	500W	375W
Peak Power Voltage (Vmpp)	46.82V	42.65V	46.92V	42.76V	47.02V	42.87V	47.12V	42.98V	47.22V	43.09V
Peak Power Current (Impp)	10.26A	8.43A	10.35A	8.50A	10.43A	8.57A	10.52A	8.64A	10.60A	8.71A
Open Circuit Voltage (Voc)	55.36V	50.89V	55.46V	50.99V	55.56V	51.09V	55.66V	51.19V	55.76V	51.29V
Short circuit Current (Isc)	10.98A	9.16A	11.07A	9.25A	11.16A	9.33A	11.26A	9.41A	11.35A	9.50A
Component Efficiency (%)	20.57%		20.78%		21.00%		21.21%		21.43%	

STC(Standard Testing Conditions): Irradiance 1000W/m²,Cell Temperature 25°C,AM1.5
NMOT(Nominal Moudule 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	-0.30%/°C
Temperature Coefficient of Open Circuit Voltage	-0.29%/°C
Short-circuit Current Temperature Coefficient	+0.05%/°C

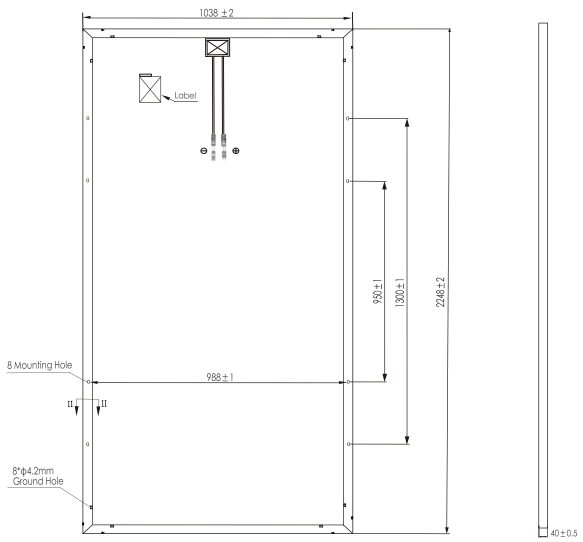
Temperature Characteristics

Working Temperature	-40°C to~+85°C
Maximum System Voltage	DC 1000V/1500V (IEC)
Maximum Fuse Rating	20A
Power Tolerance	0/+5W

Mechanical Data

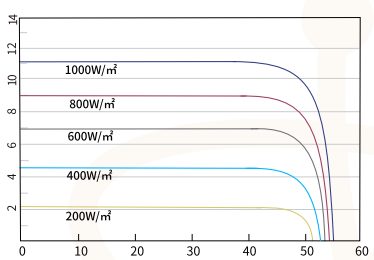
Cell Type	166mm Mono
Cell Orientation	80 (1/3cut)
Module Dimension	2248*1038*40mm
Weight	26kg
Front	3.2mm high transmittance,reinforced glass
Back	Anti-aging Film
Aluminum Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 Bypass Diodes)
Cables	4.0mm², Positive(+)1200mm, Positive(-)1200mm
	Wire length can be customized
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa/Back 2400Pa

Module Dimensions(mm)



I-V Currve

Current-Voltage Currve (500W)
Curent (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: 540pcs

* 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.