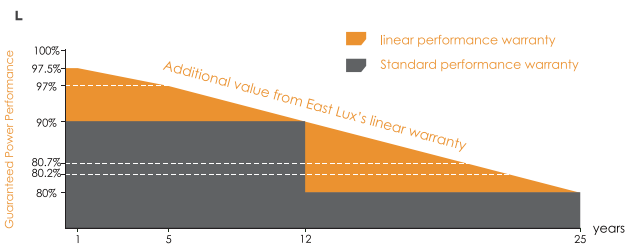
East Lux
Power from East

EL-270~295P -60 (5BB)

Bificial Poly 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 440 Wp and 19.78% 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 (3800 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-270P-60		EL-275P-60		EL-280P-60		EL-285P-60		EL-290P-60		EL-295P-60	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	270W	200W	275W	203W	280W	207W	285W	211W	290W	215W	295W	219W
Open Circuit Voltage (Voc)	31.15V	29.37V	31.40V	29.52V	31.75V	29.79V	32.10V	30.06V	32.44V	30.33V	32.78V	30.60V
Short circuit Current (Isc)	8.67A	6.81A	8.76A	6.88A	8.82A	6.95A	8.88A	7.02A	8.94A	7.09A	9.00A	7.16A
Peak Power Voltage (Vmpp)	38.19V	36.24V	38.55V	36.15V	38.91V	36.97V	39.27V	37.43V	39.69V	37.89V	39.99V	38.55V
Peak Power Current (Impp)	9.17A	7.26A	9.23A	7.13A	9.30A	7.36A	9.37 A	7.41A	9.44A	7.46A	9.51A	7.51A
Component Efficiency (%)	16.60%		16.90%		17.21%		17.52%		17.83%		18.13%	

STC(Standard Testing Condittions): 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)	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

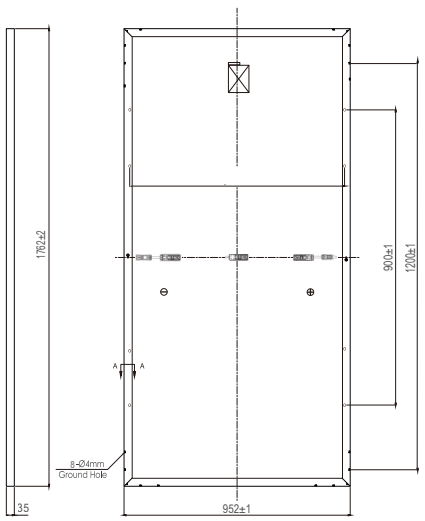
Temperature Characteristics

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

Mechanical Data

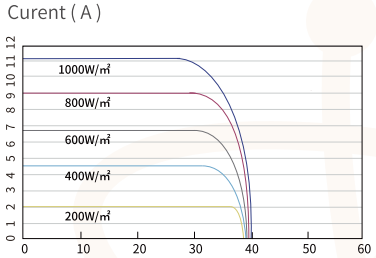
Cell Type	156.75*156.75mm Poly
Cell Orientation	60(6X10)
Module Dimension	1640x992x35mm
Weight	18.5kg
Front	3.2mm high transmittance,reinforced glass
Aluminum Frame	Anodized Aluminum Alloy
Junction Box	IP67 (3 Bypass Diodes)
	4.0mm²
Connecting Cable	Cable length
	300mm
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa/Back 2400Pa

Module Dimensions(mm)



I-V Currve

Current-Voltage Currve (295W)



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: 31+31+4pcs
Modules per 40' HQ Container: 924pcs

* 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.