



EL-270~290P -60H (5BB)

Poly Crystalline PERC Solar Module

KEY FEATURES >>>>



5 Busbar Solar Cell:
5 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 290 Wp and 17.45% 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).

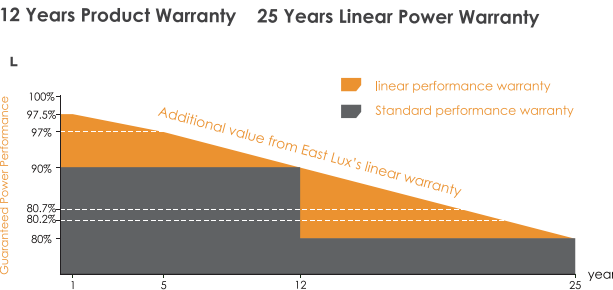


Durability against extreme environmental conditions:
High salt mist and ammonia resistance certified by TÜV SÜD.



Temperature Coefficient:
Improved temperature coefficient decreases power loss during high temperatures.

LINEAR PERFORMANCE WARRANTY



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-270P-60H		EL-275P-60H		EL-280P-60H		EL-285P-60H		EL-290P-60H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power (Pmax)	270W	200W	275W	203W	280W	207W	285W	211W	290W	215W
Peak Power Voltage (Vmpp)	31.47V	29.68V	31.83V	29.86V	32.19V	30.18V	32.54V	30.50V	32.88V	30.81V
Peak Power Current (Imp)	8.58A	7.89A	8.64A	7.93A	8.70A	7.979A	8.76A	8.01A	8.82A	8.05A
Open Circuit Voltage (Voc)	38.18V	36.23V	38.54V	36.50V	38.90V	36.96V	39.26V	37.42V	39.68V	37.88V
Short circuit Current (Isc)	9.08A	7.23A	9.15A	7.28A	9.23A	7.33A	9.31A	7.38A	9.39A	7.43A
Component Efficiency (%)	16.25%		16.55%		16.85%		17.15%		17.45%	

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	-0.37%/°C
Temperature Coefficient of Open Circuit Voltage	-0.29%/°C
Short-circuit Current Temperature Coefficient	+0.05%/°C



Temperature Characteristics

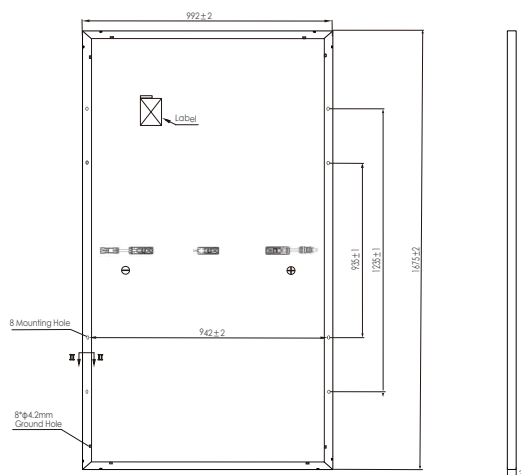
Working Temperature	-40°C to~+85°C
Maximum System Voltage	DC 1000V/1500V (IEC)
Maximum Fuse Rating	15A
Power Tolerance	0/+5W



Mechanical Data

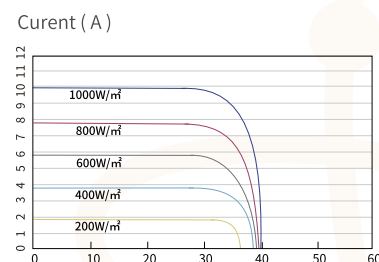
Cell Type	156.75mm Poly
Cell Orientation	120(6X20)
Module Dimension	1657x992x35mm
Weight	19.0kg
Front	3.2mm high transmittance, reinforced glass
Aluminum Frame	Anodized Aluminum Alloy
Junction Box	IP68 (3 Bypass Diodes)
	4.0mm ²
Connecting Cable	Cable length
	300mm
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa/Back 2400Pa

Module Dimensions(mm)



I-V Curve

Current-Voltage Curve (290W)



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: 30pcs
 Modules per 40' HQ Container: 780pcs

* 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.