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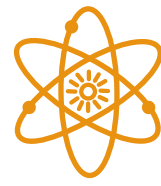
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EnergyPal

Solar Panel Guide Specification Data Sheet

**East Lux Energy Co., Ltd
EL275-295P-60H(5BB)
EL275P-60H**

Also available on the web at
EnergyPal.com/east-lux-energy-co-ltd-solar-panels/el275p-60h



EL275-295P-60H(5BB)

POLY CRYSTALLINE MODULE

East Lux
Power from East

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 295 Wp and 17.86 % 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, 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.

Reliable Quality

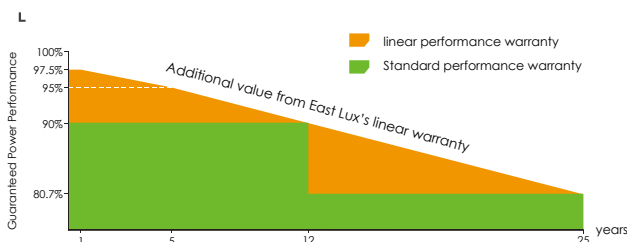
- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

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

LINEAR PERFORMANCE WARRANTY

12 Years Product Warranty 25 Years Linear Power Warranty

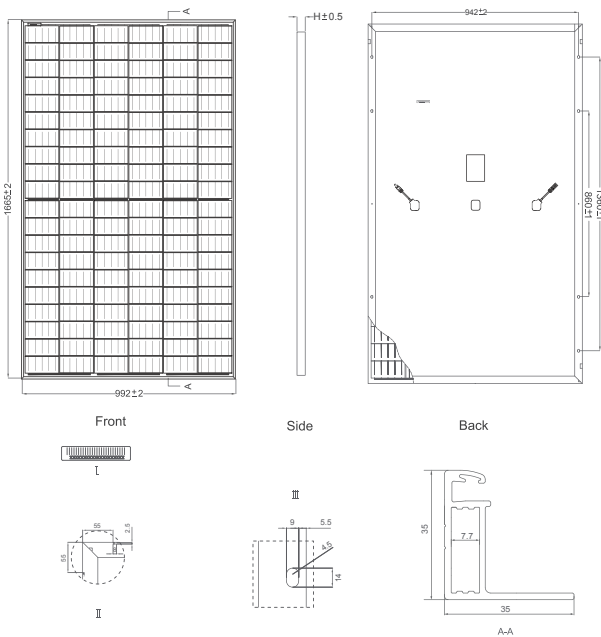


Specifications subject to technical change and tests. East Lux reserves the right of final interpretation.

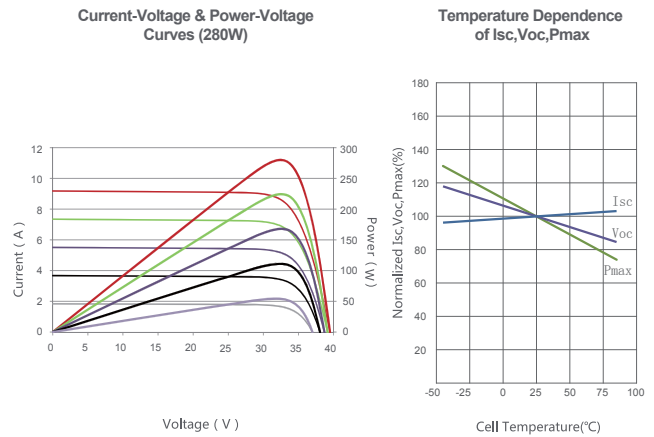
SPECIFICATIONS

Module Type	EL275P-60H		EL280P-60H		EL285P-60H		EL290P-60H		EL295P-60H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	275Wp	204Wp	280Wp	208Wp	285Wp	212Wp	290Wp	216Wp	295Wp	220Wp
Maximum Power Voltage (Vmp)	32.0V	29.8V	32.3V	30.1V	32.5V	30.4V	32.8V	30.7V	33.1V	31.1V
Maximum Power Current (Imp)	8.61A	6.85A	8.69A	6.91A	8.77A	6.97A	8.86A	7.04A	8.95A	7.07A
Open-circuit Voltage (Voc)	39.1V	35.4V	39.4V	35.6V	39.6V	35.7V	39.8V	35.8V	40.1V	36.0V
Short-circuit Current (Isc)	9.15A	7.44A	9.20A	7.99A	9.26A	8.05A	9.32A	8.12A	9.37A	8.15A
Module Efficiency STC (%)	16.65%		16.95%		17.26%		17.56%		17.86%	
Operating Temperature (°C)					-40 C ~+85 C					
Maximum system voltage					1500V DC (IEC)					
Maximum series fuse rating					20A					
Power tolerance					0~+3%					
Temperature coefficients of Pmax					-0.37%/ C					
Temperature coefficients of Voc					-0.31%/ C					
Temperature coefficients of Isc					0.06%/ C					
Nominal operating cell temperature (NOCT)					45±2 C					

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No. of cells	120 (12×10)
Dimensions	1665×992×35mm (65.55×39.05×1.37 inch)
Weight	19.0 kg (41.9 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	anode 290mm, cathode 145mm or Customized Length

Packaging Configuration

30pcs/pallet, 60pcs/stack, 780 pcs/40'HQ Container

*STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

* 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.