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EnergyPal

Solar Panel Guide Specification Data Sheet

**East Lux Energy Co., Ltd
EL300-320MS-60H-BDVP(5BB)
EL315MS-60H-BDVP**

Also available on the web at
EnergyPal.com/east-lux-energy-co-ltd-solar-panels/el315ms-60h-bdvp

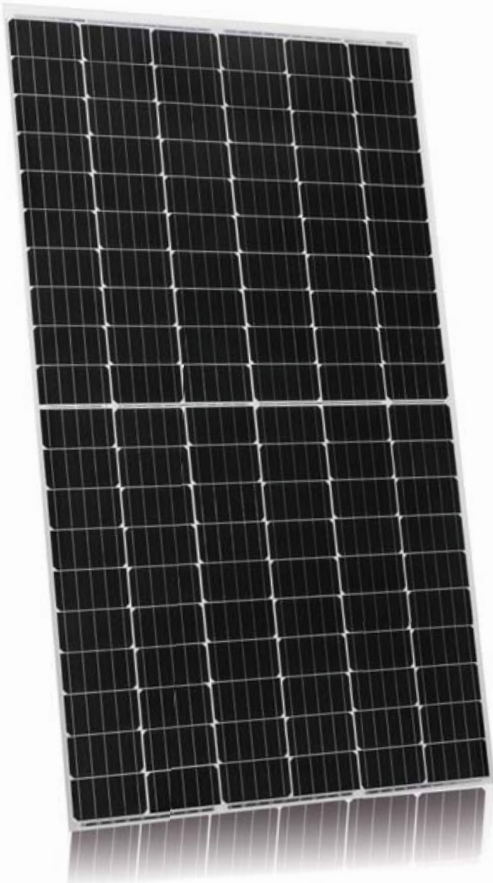


EL300-320MS-60H-BDVP(5BB)

BIFUCIAL MONO CRYSTALLINE PERC SOLAR 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 320 Wp and 19.07% 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

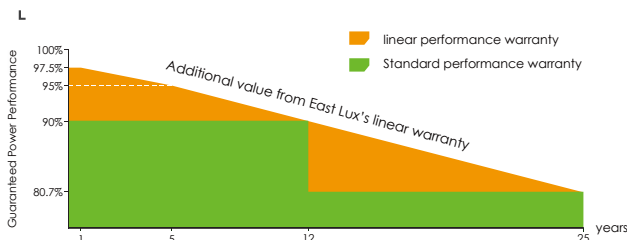
- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001:2008: Quality management systems
- ISO 14001:2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management system
- Environmental policy: The first solar company in China to complete intertek's carbon footprint evaluation program and receive green leaf mark verification for our products



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

LINEAR PERFORMANCE WARRANTY

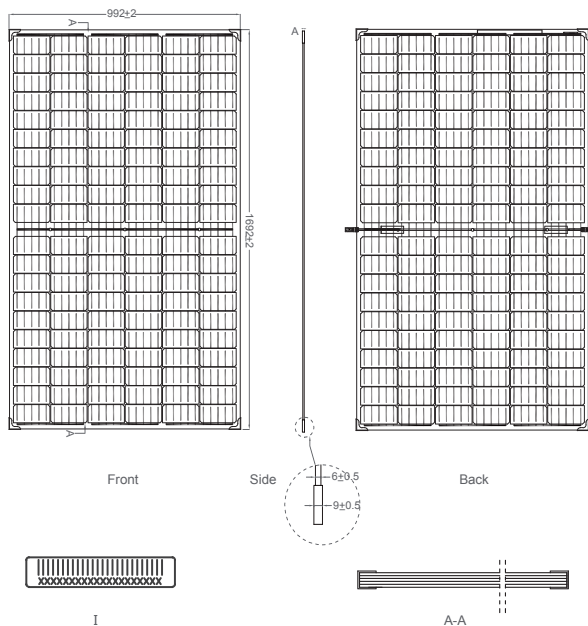
12 Years Product Warranty 30 Years Linear Power Warranty
0.5% Annual Degradation Over 30 years



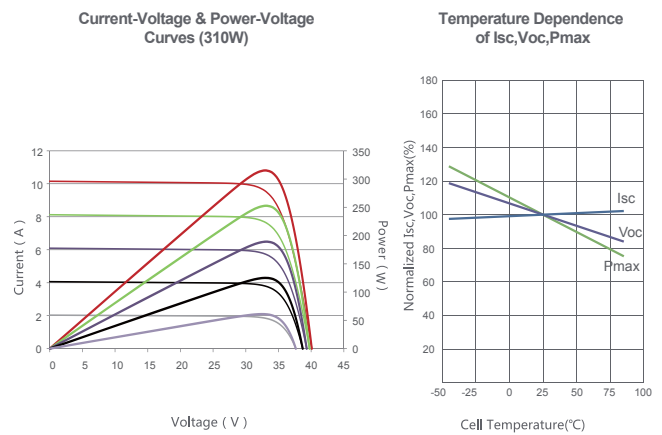
SPECIFICATIONS

Module Type	EL300MS-60H-BDVP		EL305MS-60H-BDVP		EL310MS-60H-BDVP		EL315MS-60H-BDVP		EL320MS-60H-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	300Wp	224Wp	305Wp	227Wp	310Wp	231Wp	315Wp	235Wp	320Wp	239Wp
Maximum Power Voltage (Vmp)	32.5V	29.5V	32.8V	29.7V	33.1V	30.0V	33.4V	30.3V	33.6V	30.5V
Maximum Power Current (Imp)	9.24A	7.60A	9.30A	7.65A	9.37A	7.70A	9.44A	7.76A	9.52A	7.82A
Open-circuit Voltage (Voc)	39.2V	36.1V	39.5V	36.3V	39.8V	36.6V	40.1V	36.9V	40.4V	37.1V
Short-circuit Current (Isc)	9.72A	7.88A	9.79A	7.93A	9.87A	7.99A	9.95A	8.06A	10.01A	8.12A
Module Efficiency STC (%)	17.87%		18.17%		18.47%		18.77%		19.07%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.36%/C									
Temperature coefficients of Voc	-0.30%/C									
Temperature coefficients of Isc	0.05%/C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	70±3%									

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 156×156mm (6 inch)
No. of cells	120 (6×12)
Dimensions	1692×992×6mm (66.61×39.05×0.24 inch)
Weight	23.5 kg (51.9 lbs)
Front Glass	2.5mm, Anti-Reflection Coating
Back Glass	2.5mm heat strengthened glass
Junction Box	IP67 Rated
Output Cables	TUV 1×4.0mm ² positive-250mm, negative-150mm or customized length

Packaging Configuration

33pcs/pallet, 66pcs/stack, 858 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.