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Solar Panel Guide
Specification Data Sheet

East Lux Energy Co., Ltd
EL300-320W-MS60-5BB
EL320MS-60

EL300-320MS-60 (5BB)

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 19.55 % 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℃/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.

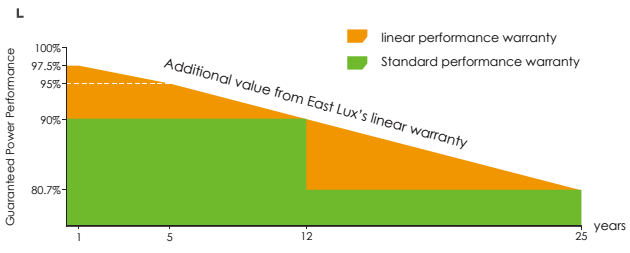
Temperature Coefficient:
Improved temperature coefficient decreases power loss during high temperatures.

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

LINEAR PERFORMANCE WARRANTY

12 Years Product Warranty 25 Years Linear Power Warranty



Comprehensive Certificates

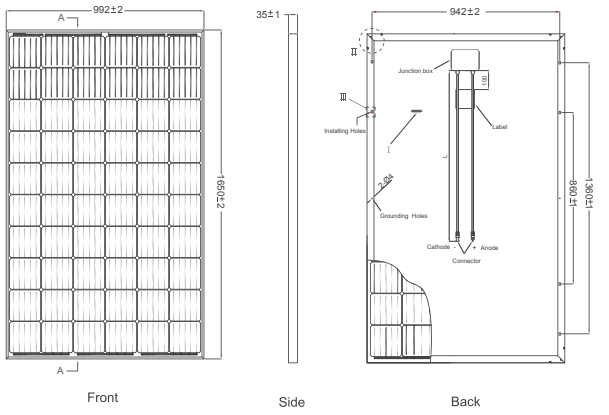
- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001:2008: Quality management systems
- ISO 14001:2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management system
- Environmental policy: The first solar company in China to complete intertek's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

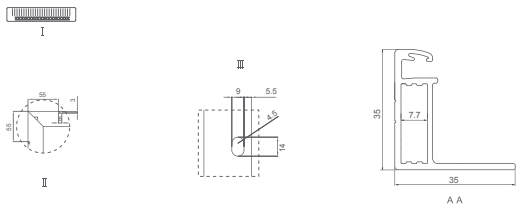
Specifications subject to tehnical change and tests. East Lux reserves the right of final interpretation.

SPECIFICATIONS

Module Type	EL300MS-60		EL305MS-60		EL310MS-60		EL315MS-60		EL320MS-60	
	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)	32.6V	30.6V	32.8V	30.8V	33.0V	31.0V	33.2V	31.2V	33.4V	31.4V
Maximum Power Current (Imp)	9.21A	7.32A	9.30A	7.40A	9.40A	7.49A	9.49A	7.56A	9.59A	7.65A
Open-circuit Voltage (Voc)	40.1V	37.0V	40.3V	37.2V	40.5V	37.4V	40.7V	37.6V	40.9V	37.8V
Short-circuit Current (Isc)	9.72A	8.01A	9.83A	8.12A	9.92A	8.20A	10.04A	8.33A	10.15A	8.44A
Module Efficiency STC (%)	18.33%		18.63%		18.94%		19.24%		19.55%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1000VDC (IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.37%/℃									
Temperature coefficients of Voc	-0.28%/℃									
Temperature coefficients of Isc	0.048%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

Engineering Drawings

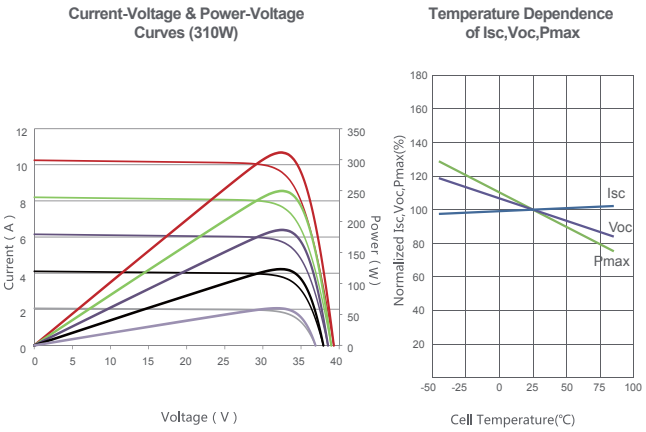




Packaging Configuration

30pcs/pallet, 60pcs/stack, 840 pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline PERC 156×156mm (6 inch)
No.of cells	60 (6×10)
Dimensions	1650×992×35mm (65.00×39.05×1.37 inch)
Weight	19.0 kg (41.9 lbs)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV1×4.0mm², Length: 900mm or Customized Length

*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.