

# Eagle SE 60M-V 300-320 Watt

MONO CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

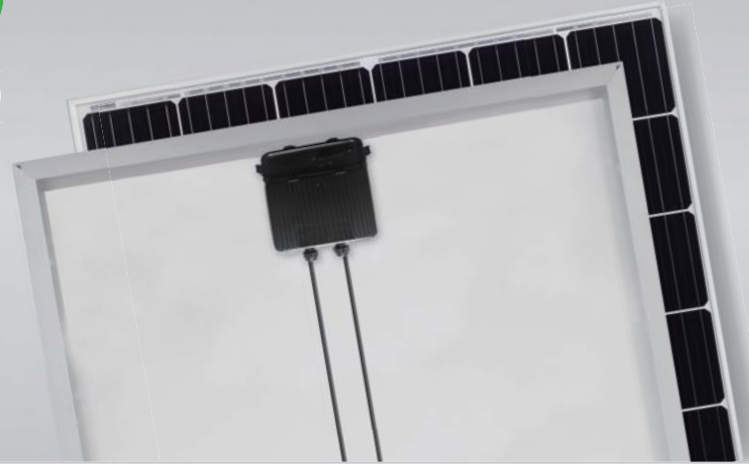
JinkoSolar introduces a brand new line of highly intelligent modules for a wide range of applications.

IEC61215, IEC61730 certified products



PERC

(5BB)



## KEY FEATURES



### System Voltage:

The maximum voltage is promoted to 1500V and the module strings are extended by 50% which reduces the overall system BOS.



### 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.



### PID Resistant:

Limited power degradation of Eagle module caused by PID effect is guaranteed under strict testing condition (85 C /85%RH,96hours)for mass production.



### High Efficiency:

Higher module conversion efficiency (up to 19.55%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



### Maximum Power

Integrated optimizer mitigates power loss from panel-to-panel mismatch caused by shading, soiling, aging, and unfavorable roof orientations to ensure maximum power output



### Monitor Benefits:

Power optimizers monitor the performance of each module and communicate performance data to the SE monitoring portal for enhanced, cost-effective module-level maintenance.



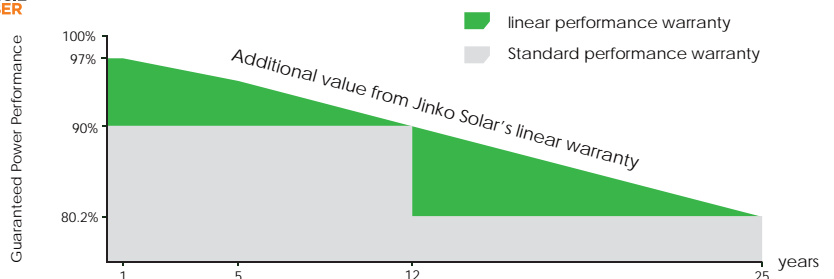
### Safety

Module level disconnects provide safety and regulation compliance



## LINEAR PERFORMANCE WARRANTY

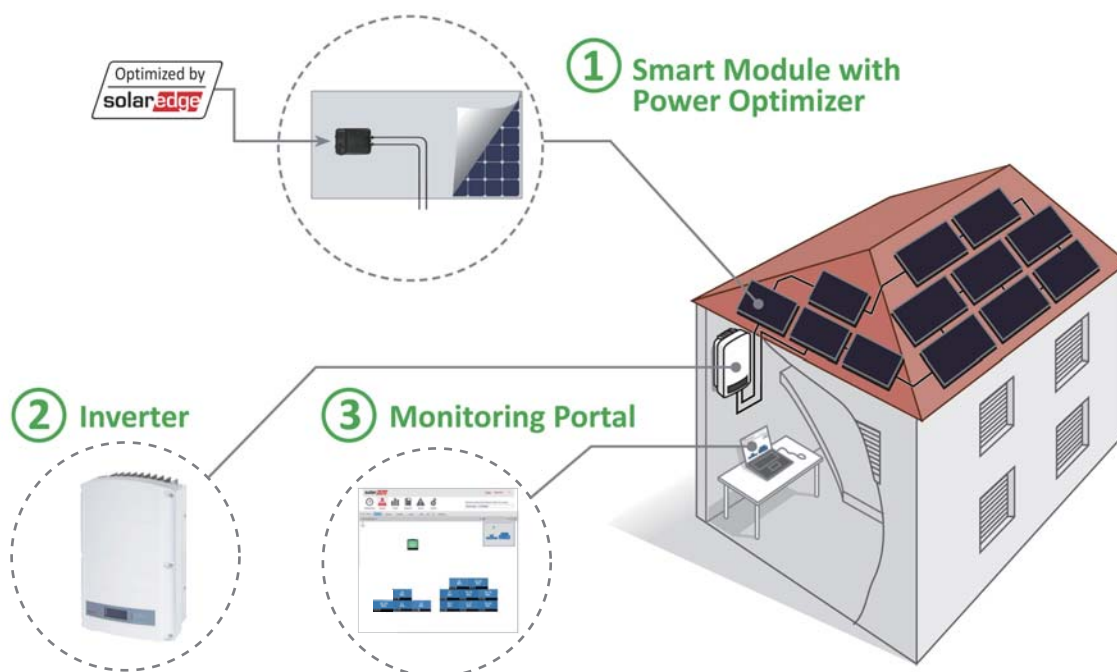
10 Year Product Warranty • 25 Year Linear Power Warranty



## Smart Module

Next generation of photovoltaic modules that will revolutionize the solar industry and accelerate the pace toward grid parity.

## SYSTEM OVERVIEW



## Unique Safety Features

- SafeDC™ allows automatic module DC shutdown when the inverter is not operating or AC is shut down
- Module and inverter thermal shutdown capability
- Electrical arc prevention through SafeDC™








# PRODUCTS


Additional products and services available from SolarEdge:

Single & Three Phase Inverters		2.2kW 3kW 3.5kW 4kW 5kW 6kW		4kW* 5kW 7kW 8kW 9kW 10kW	* Available in Gemrany, Austria and Denmark; for other countries, contact SolarEdge

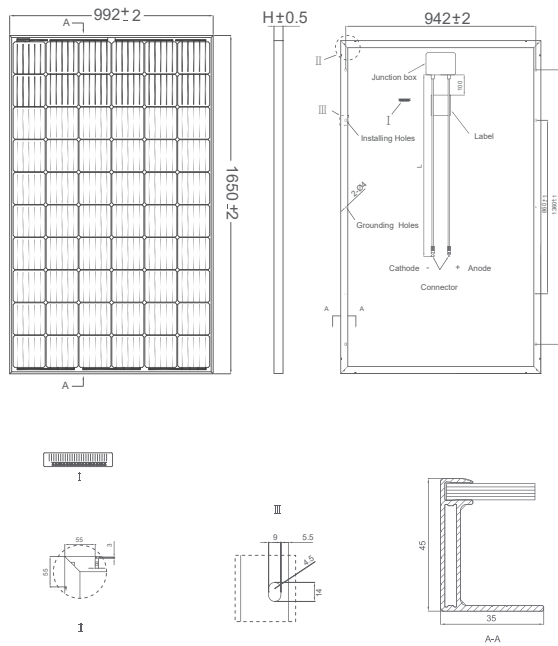
Commercial & Utility-Scale Inverters	Commercial	
		5kW    12.5kW 7kW    15kW 8kW    16kW 9kW    17kW 10kW

Monitoring	Monitoring Portal	Monitoring Apps	Safety & Monitoring Interface
			

Communication & Safety Accessories	Wifi Communication Solution	ZigBee wireless connectivity
		

Installer Tools	Site Designer	Site Mapper	key
			

## Engineering Drawings



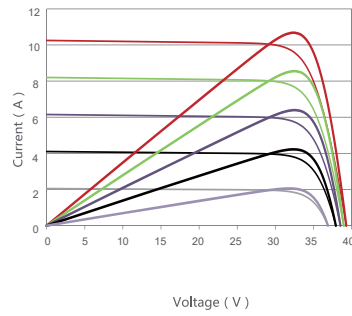
## Packaging Configuration

(Two pallets = One stack)

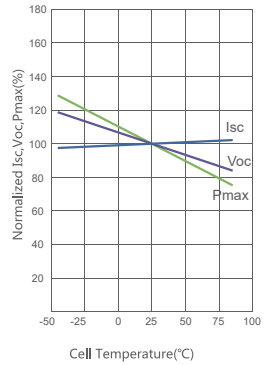
23pcs/pallet, 46pcs/stack, 644 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (310W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type	Mono-crystalline PERC 156×156mm (6 inch)
No. of cells	60 (6×10)
Dimensions	1650×992×45mm (65.00×39.05×1.77 inch)
Weight	19.7 kg (43.4 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated (SolarEdge OPJ300-LV)
Output Cables	TüV 1×4.0mm <sup>2</sup> , Length: 900mm or Customized Length

## SPECIFICATIONS

Module Type	JKMS300M-60-V		JKMS305M-60-V		JKMS310M-60-V		JKMS315M-60-V		JKMS320M-60-V	
	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%	
<b>Safe DC™ output Voltage</b>	1V									
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	-0.37%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

\* STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: ± 3%