

# Smart Module

## 255-320 Watt

POWER OUTPUT RANGE

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

(4BB)



## KEY FEATURES



### 4 Busbar Solar Cell:

4 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



### 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



### Installation benefits

Provides more installation options for various roofs and orientation limitations



### Hotspot elimination

Hotspots are eliminated and panel degradation is minimized

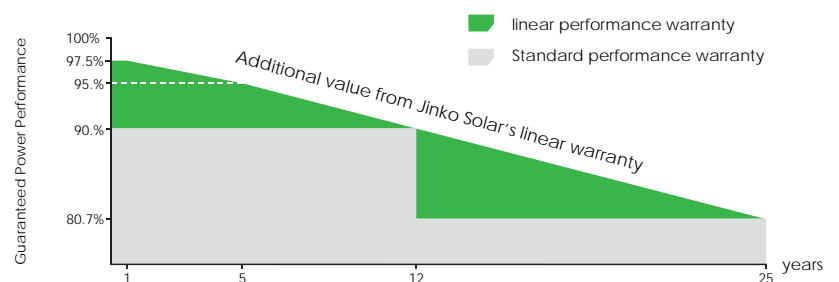


### Safety

Module level disconnects provide safety and regulation compliance

## LINEAR PERFORMANCE WARRANTY

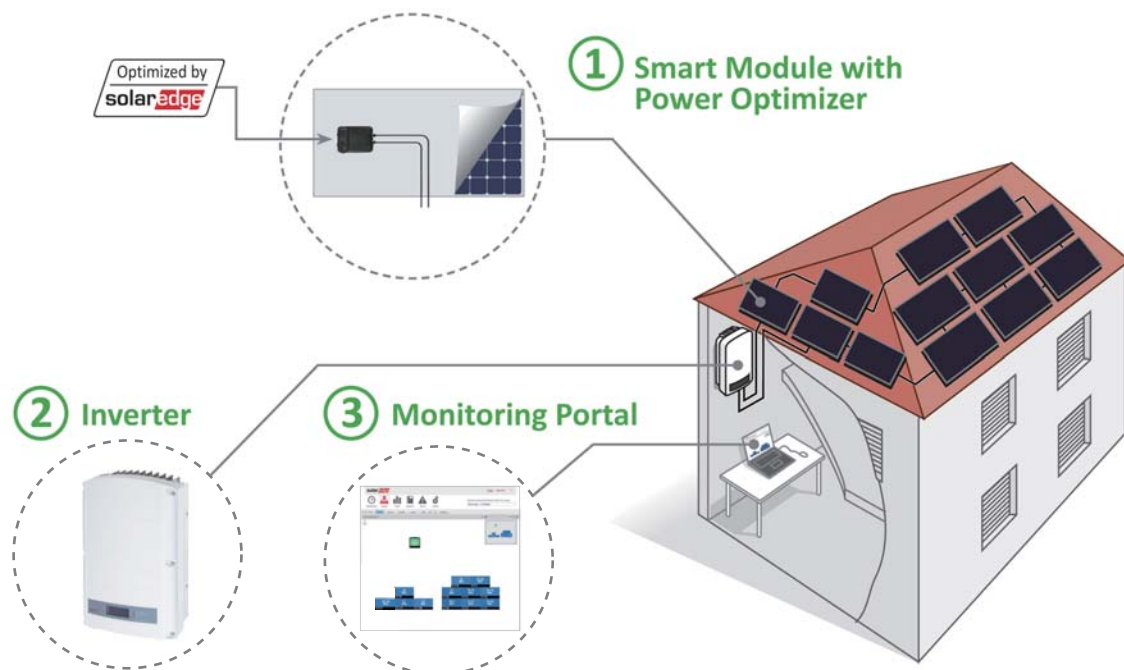
10 Year Product Warranty • 25 Year Linear Power Warranty



## 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

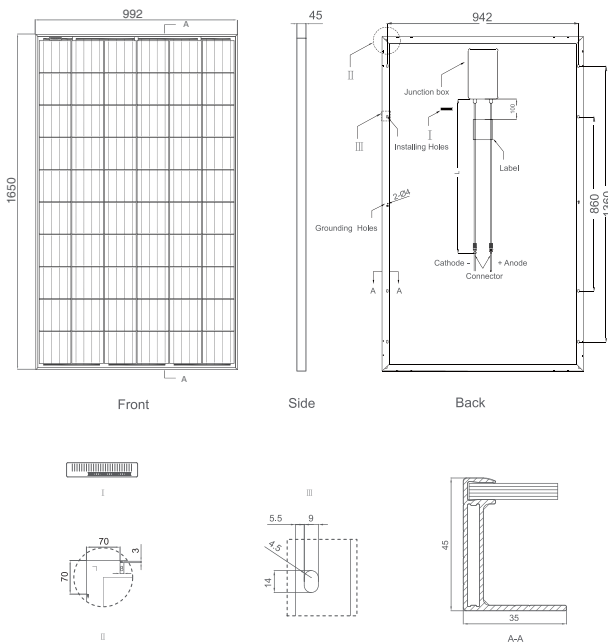
Commercial & Utility-Scale Inverters		Commercial 5kW 7kW 8kW 9kW 10kW	12.5kW 15kW 16kW 17kW

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

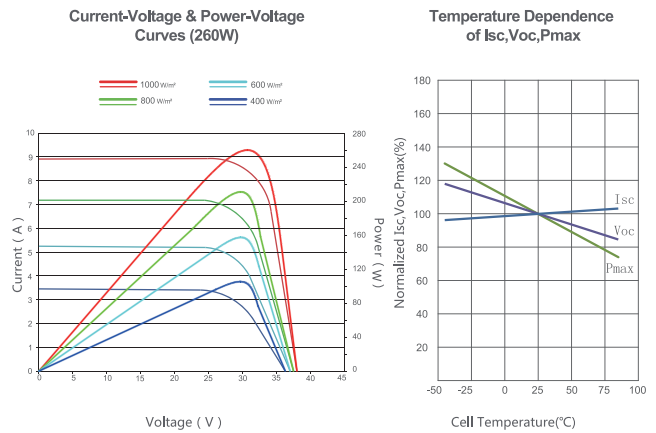


## Packaging Configuration

( Two boxes=One pallet )

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

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Poly-crystalline 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, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated (SolarEdge OPJ300-LV)
Output Cables	TÜV 1×6.0mm <sup>2</sup> , Length:1000mm

## SPECIFICATIONS

Module Type	JKMS255P		JKMS260P		JKMS265P		JKMS270P	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	255Wp	190Wp	260Wp	194Wp	265Wp	198Wp	270Wp	202Wp
Maximum Power Voltage (Vmp)	30.8V	28.1V	31.1V	28.3V	31.4V	28.7V	31.7V	29.0V
Maximum Power Current (Imp)	8.28A	6.75A	8.37A	6.84A	8.44A	6.91A	8.52A	6.97A
Open-circuit Voltage (Voc)	38.0V	35.0V	38.1V	35.1V	38.6V	35.3V	38.8V	35.6V
Short-circuit Current (Isc)	8.92A	7.22A	8.98A	7.26A	9.03A	7.31A	9.09A	7.35A
Module Efficiency STC (%)	15.58%		15.89%		16.19%		16.50%	

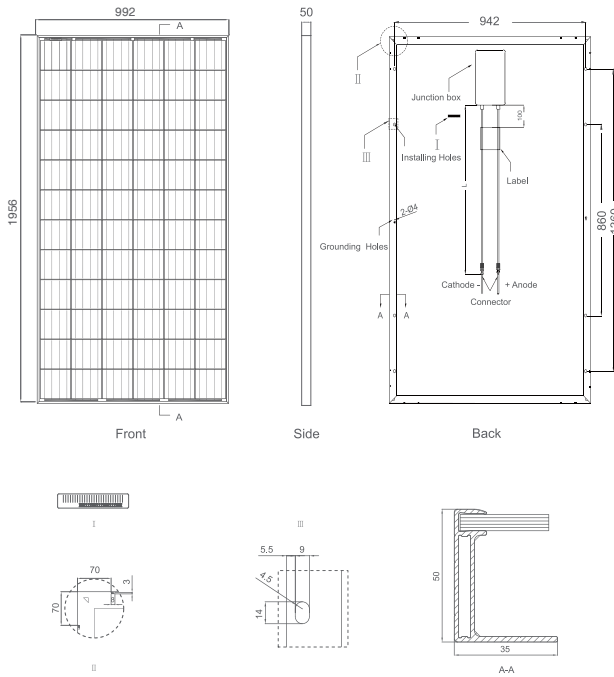
<b>Safe DC™ output Voltage</b>	1V
Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	1000VDC (IEC)
Maximum series fuse rating	15A
Power tolerance	0~+3%
Temperature coefficients of Pmax	-0.40%/°C
Temperature coefficients of Voc	-0.30%/°C
Temperature coefficients of Isc	0.06%/°C
Nominal operating 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%

## Engineering Drawings

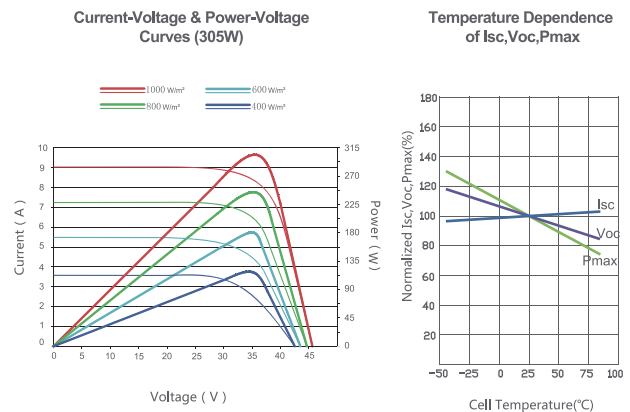


## Packaging Configuration

( Two boxes =One pallet )

20pcs/ box, 40pcs/pallet, 440 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No.of cells	72 (6×12)
Dimensions	1956×992×50mm (77.01×39.05×1.97 inch)
Weight	27.7 kg (61.06 lbs.)
Front Glass	4.0mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated (SolarEdge OPJ300-LV)
Output Cables	TÜV 1×6.0mm², Length:1000mm

## SPECIFICATIONS

Module Type	JKMS305P		JKMS310P		JKMS315P		JKMS320P	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	305Wp	226Wp	310Wp	231Wp	315Wp	235Wp	320Wp	238Wp
Maximum Power Voltage (Vmp)	36.8V	33.6V	37.0V	33.9V	37.2V	34.3V	37.4V	34.7V
Maximum Power Current (Imp)	8.30A	6.72A	8.38A	6.81A	8.48A	6.84A	8.56A	6.86A
Open-circuit Voltage (Voc)	45.6V	42.2V	45.9V	42.7V	46.2V	43.2V	46.4V	43.7V
Short-circuit Current (Isc)	8.91A	7.22A	8.96A	7.26A	9.01A	7.29A	9.05A	7.30A
Module Efficiency STC (%)	15.72%		15.98%		16.23%		16.49%	
<b>Safe DC™ output Voltage</b>	1V							
Operating Temperature(°C)	-40°C~+85°C							
Maximum system voltage	1000VDC (IEC)							
Maximum series fuse rating	15A							
Power tolerance	0~+3%							
Temperature coefficients of Pmax	-0.40%/°C							
Temperature coefficients of Voc	-0.30%/°C							
Temperature coefficients of Isc	0.06%/°C							
Nominal operating cell temperature (NOCT)	45±2°C							

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%

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