

Smart Module

255-315 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



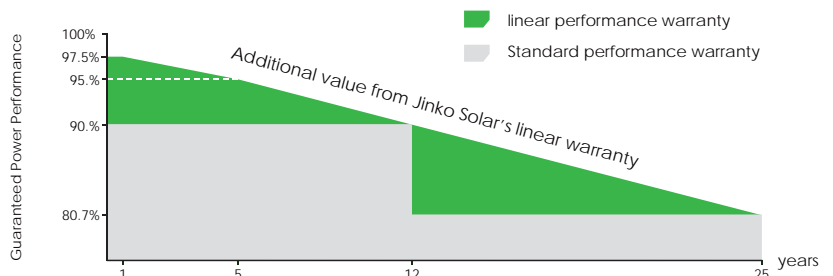
Appearance:

Aesthetic appearance due to a uniform, darkened module design, ideal for demanding architectural applications.



LINEAR PERFORMANCE WARRANTY

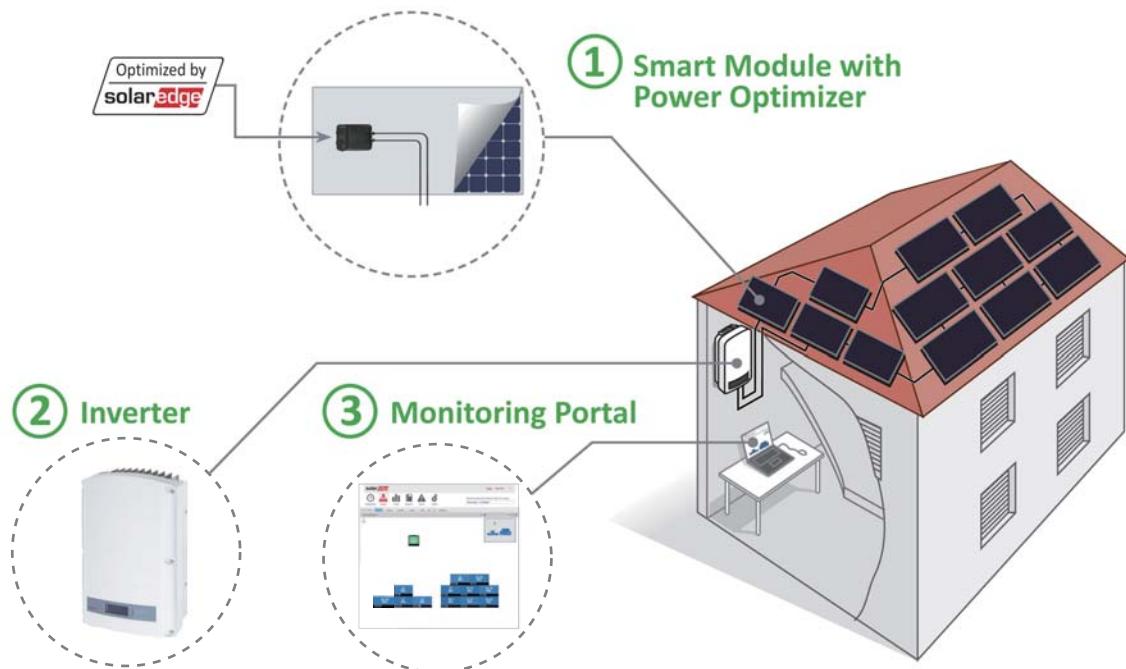
10 Year Product Warranty • 25 Year Linear Power Warranty



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 Germany, Austria and Denmark; for other countries, contact SolarEdge

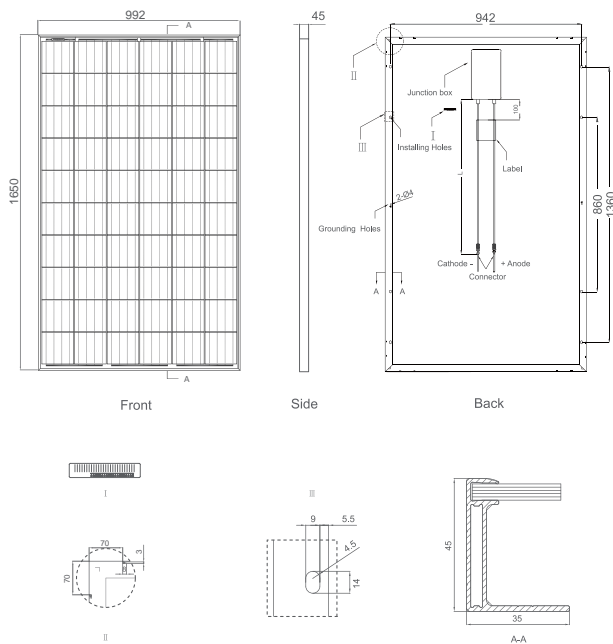
Commercial & Utility-Scale Inverters	Commercial	
		5kW 12.5kW 7kW 15kW 8kW 16kW 9kW 17kW 10kW

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

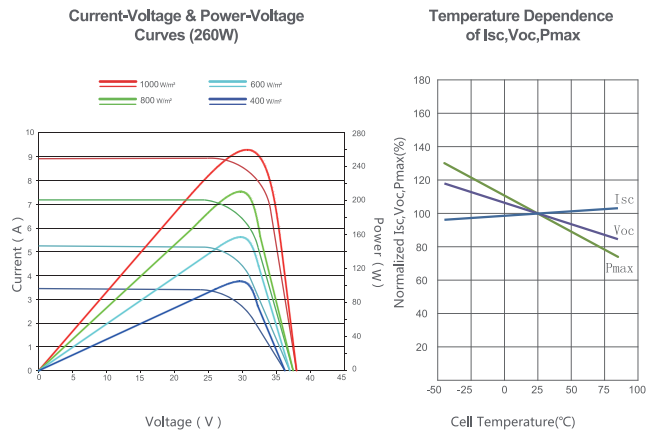


Packaging Configuration

(Two 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 ² , Length:1000mm

SPECIFICATIONS

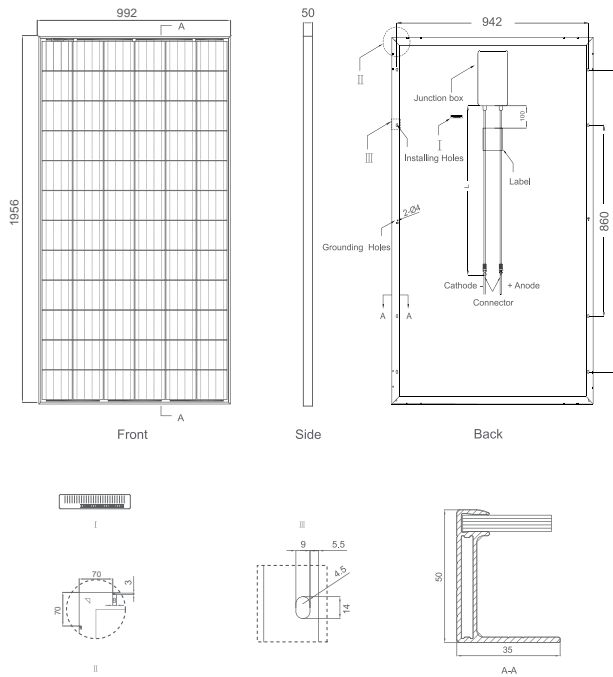
Module Type	JKMS255P-B-J4		JKMS260P-B-J4		JKMS265P-B-J4	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	255Wp	190Wp	260Wp	194Wp	265Wp	198Wp
Maximum Power Voltage (Vmp)	30.8V	28.1V	31.1V	28.3V	31.4V	28.7V
Maximum Power Current (Imp)	8.28A	6.75A	8.37A	6.84A	8.44A	6.91A
Open-circuit Voltage (Voc)	38.0V	35.0V	38.1V	35.1V	38.6V	35.3V
Short-circuit Current (Isc)	8.92A	7.22A	8.98A	7.26A	9.03A	7.31A
Module Efficiency STC (%)	15.58%		15.89%		16.19%	
Safe DC™ output Voltage	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%

Engineering Drawings



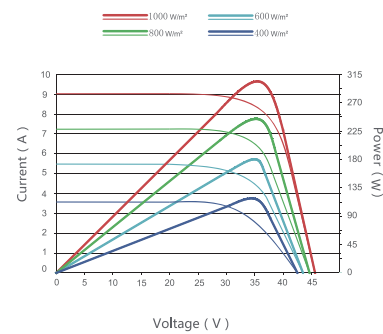
Packaging Configuration

(Two boxes =One pallet)

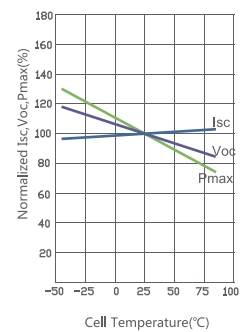
20pcs/ box, 40pcs/pallet, 440 pcs/40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (305W)



Temperature Dependence of Isc, Voc, Pmax



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-B-J4		JKMS310P-B-J4		JKMS315P-B-J4	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	305Wp	226Wp	310Wp	231Wp	315Wp	235Wp
Maximum Power Voltage (Vmp)	36.8V	33.6V	37.0V	33.9V	37.2V	34.3V
Maximum Power Current (Imp)	8.30A	6.72A	8.38A	6.81A	8.48A	6.84A
Open-circuit Voltage (Voc)	45.6V	42.2V	45.9V	42.7V	46.2V	43.2V
Short-circuit Current (Isc)	8.91A	7.22A	8.96A	7.26A	9.01A	7.29A
Module Efficiency STC (%)	15.72%		15.98%		16.23%	
Safe DC™ output Voltage	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%

JinkoSolar Holding Co.,Ltd.

Headquarters

Global Sales & Marketing Center

16F, Building No.2
428# South Yang Gao Road,
Shanghai, China 200127
Tel: +86 21 6061 1799
Fax: +86 21 6876 1115

Jiangxi Manufacture Base

No.1 Jinko Road,
Shangrao Economic Development Zone,
Jiangxi Province, China 334100
Tel:+86 793 858 8188
Fax:+86 793 846 1152

Zhejiang Manufacture Base

No.58 Yuanxi Road,
Haining Yuanhua Industrial Park,
Zhejiang Province, China 314416
Tel: +86 573 8798 5678
Fax: +86 573 8787 1070

Europe

JinkoSolar (Switzerland) A.G.

Chamerstrasse 85, in 6300 Zug
Tel:+41 41 748 0010
Fax:+41 41 748 0019

JinkoSolar GmbH in Munich, Germany

Freisingerstr. 9
D-85716 Unterschleißheim bei
München, Germany
Tel:+49 (0) 891433246-0
Fax:+49 (0) 891433246-29
germany@jinkosolar.com
europe@jinkosolar.com

JinkoSolar Office in Bologna, Italy

Via Bazzanese 32/7
Casalechio di Reno (BO)
Tel:+39 051 298 8511
Fax:+39 051 571 274
italy@jinkosolar.com

North America

JinkoSolar (U.S.) Inc.

595 Market Street, Suite 2200,
San Francisco, CA 94105
Tel:+1 415 402 0502
Fax:+1 415 402 0703
us@jinkosolar.com

JinkoSolar Canada Co., Ltd.

Suite 703, 100 Allsate Parkway,
Markham, ON Canada L3R 6H3
Tel:+1 905 604 2527
Fax: +1 905 604 2687
canada@jinkosolar.com

Asia & Pacific

JinkoSolar Japan KK

9F, Kabutochokaisei Building,
13-2, Nihonbashi kabutocho, Chuo-ku,
Tokyo. 103-0026 Japan
Tel: +81 (0)3 6661 0899
Fax: +81 (0)3 6661 0129

JinkoSolar China

F22 D7-9, Western Central Plaza T1,
1# Xizhimen Street, Beijing,
China 100044
Tel:+86 10 5830 1948
Fax: +86 10 5834 1487

JinkoSolar Osaka Office

6F Sakaisuji Honmachi Building.
1-8-14, Minami Honmachi, Chuo-ku,
Osaka. 541-0054 Japan
Sales:+81 (0)6 6125 5553
Fax:+81 (0)6 6125 5977

JinkoSolar Australia Holdings Co., Ltd.

Level 13, 307 Queen St, Brisbane QLD 4000.
Customer Service: +61(0) 7 3236 5460;
Sales: +61 (0)7 3221 5218
Fax: +61 (0)7 3236 5794
aus@jinkosolar.com

Logistics Warehouses in Europe & US



www.jinkosolar.com | sales@jinkosolar.com

The company reserves the final right for explanation on any of the information presented hereby.