

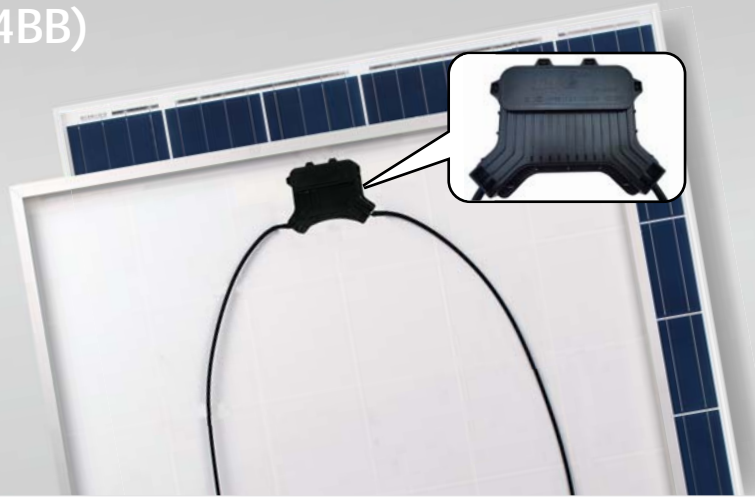
# Jinko MX 255-270 Watt

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.

(4BB)



Optimized by



## KEY FEATURES



Built-in intelligent cell optimizer IC avoids negative consequences of any type of mismatch within a panel caused by shading, soiling, aging, unfavorable house orientation, etc. to ensure greatest power output possible.



The most flexible solution for any rooftop condition and orientation.



Elimination of hot spots, which results in minimized panel degradation.



Best-in-class shade tolerance by performing MPPT on individual cell-strings to maximize energy harvest.



Anti-electromagnetic interference.

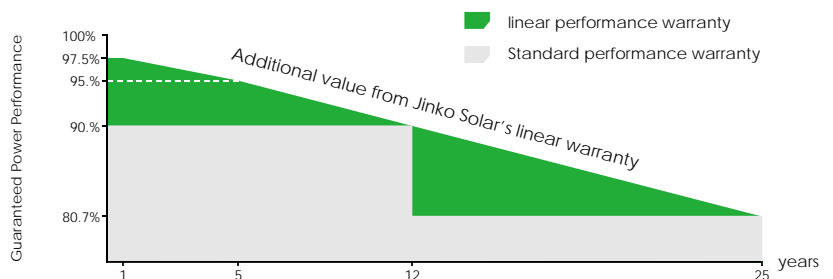


No added hardware, compatible with any inverter and optimization built into the module.



## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Smart Module

Innovations in the photovoltaic industry over the past decades have made PV technology a viable solution for widespread adoption. However, several issues prevent today's standard solar installations from functioning as ideal power sources. Solar modules that are expected to be exposed to the environment for at least 25 years can be affected by conditions such as; shading, soiling, aging, temperature gradients, and more. Mismatch caused by these factors in a panel or among various panels can cause the system to lose power. JinkoSolar Smart Module solutions solve these problems and produce up to 20% more energy under these unfavorable conditions.

## Ideal For High Volume Residential

JinkoMaximized modules can produce the most energy possible regardless of home orientation or shading issues, without the complexity of DC Optimizers or added expense of Microinverters. Because MPPT for each cell string is embedded into the fabric of these modules, system design can be simplified while still utilizing the industry's most trusted brands of string inverters. Installation is identical to that of standard modules and requires no internet configuration so shade tolerance can be included without retraining crews or slowing installation. JinkoMaximized is the perfect solution for today's high-volume residential installers.

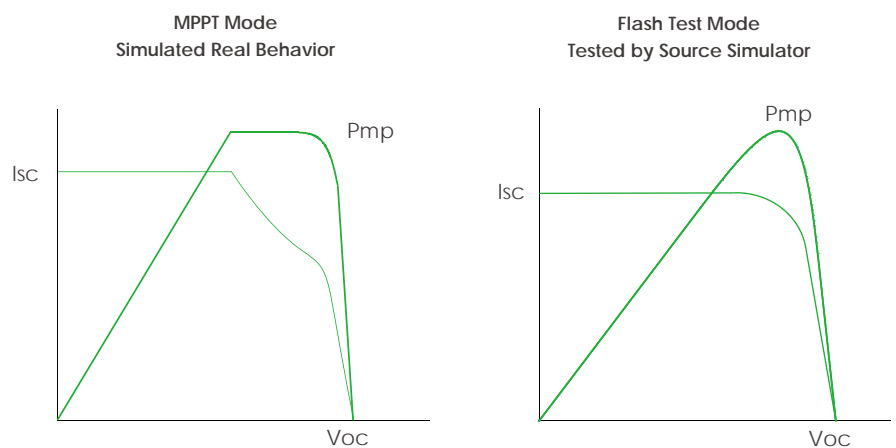
## Perfect for Commercial rooftops

Smart modules optimized by Maxim can lower the cost and enhance the financial performance of large PV projects by improving the system density. The module's built-in shade tolerance can accommodate closer row spacing enabling more production per square meter. This not only cost-effectively maximizes production in constrained areas, but also amortizes fixed costs over larger nameplate capacity lowering cost per watt. The smart module will deliver consistently more power to the off-taker and greater profits for the system owner.

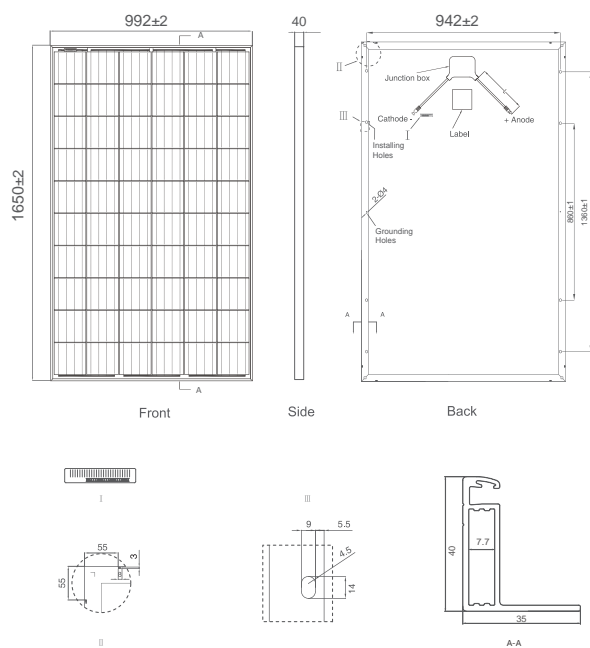
## Smart Module Behavior

**MPPT Mode:** JinkoSolar Smart Module isolates cells within the module and arbitrarily scales up the output current to match the string current, hence allowing each cell group to independently operate at its unique Maximum Power Point.

**Flash Test Mode:** A flash test sweep is performed at a faster rate than the MPPT response time. This allows the module to revert to Active Bypass mode and results in an I-V curve that is comparable to a conventional, non optimized, curve.



## Engineering Drawings

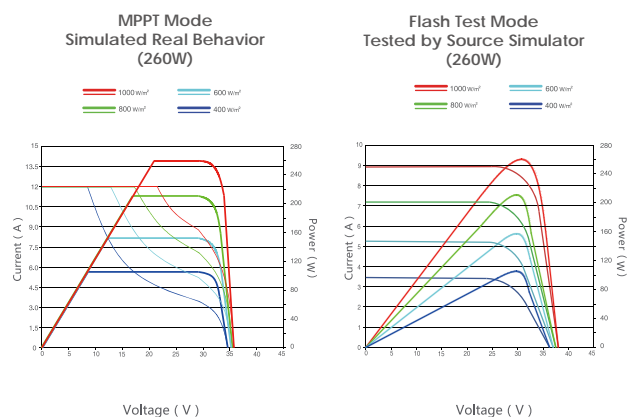


## Packaging Configuration

(Two boxes=One pallet)

25pcs/ box, 50pcs/pallet, 700 pcs/40' HQ Container

## Electrical Performance



## Mechanical Characteristics

Cell Type	Poly-crystalline 156x156mm (6 inch)
No. of cells	60 (6x10)
Dimensions	1650x992x40mm (65.00x39.05x1.57 inch)
Weight	19.0 kg (41.9 lbs)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1x4.0mm <sup>2</sup> , Length:900mm

## 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)	29.3V	26.7V	29.5V	26.9V	29.8V	27.3V	30.1V	27.5V
Maximum Power Current (Imp)	8.72A	7.11A	8.81A	7.20A	8.88A	7.27A	8.97A	7.34A
Open-circuit Voltage (Voc)	36.1V	33.2V	36.2V	33.3V	36.7V	33.5V	36.9V	33.8V
Short-circuit Current (Isc)	9.39A	7.60A	9.45A	7.64A	9.51A	7.69A	9.57A	7.74A
Module Efficiency STC (%)	15.58%		15.89%		16.19%		16.50%	
Maximum Output Current (Imax)	12A							
Operating Temperature (°C)	-40 C ~ +85 C							
Maximum system voltage	1000VDC (IEC)							
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%

# 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.

343 Sansome Street, Suite 975,  
San Francisco, CA 94104  
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  
Japan 104-0033  
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

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