

**Harvest the Sunshine**  
Premium Cells, Premium Modules

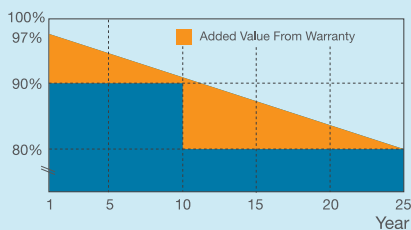
## JA Solar Holdings Co., Ltd.

JA Solar Holdings Co., Ltd is a world leading manufacturer of high-performance solar power products that convert sunlight into electricity for residential, commercial and utility-scale power generation. The company was founded in May 2005 and publicly listed on NASDAQ in February 2007. JA Solar has been the world's leading cell producer since 2010, and has firmly established itself as a tier 1 module supplier since 2012. Capitalizing on our strength in solar cell technology, we are committed to provide modules with unparalleled conversion efficiency, yield efficiency, and reliability to enable you to maximize your returns on PV projects. With its leading industry experience, continuous effort on R&D, customer-oriented service and sound financial status, JA Solar is your best choice of long-term trustworthy partner.

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## Product Warranty

- 10-year product warranty
- 25-year linear power warranty



## Additional Insurance Options



## Partner Section

# JAM6 (K)(TG)

-60/265-285/4BB

MONOCRYSTALLINE SMART MODULE

## Key Features



JA Monocrystalline smart modules designed for residential applications, especially for rooftop market



Maximum energy gain ground mounted system: 2-5%, commercial 2-10%, residential 2-25%



Automatic module shut-down Unique electrocution prevention and fire safety



Flexible system design optimal site space utilization at reduced cost



Real-time alerts module-level web monitoring Increased uptime maintenance



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV NORD

## 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

## 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 systems
- Environmental policy: The first solar company in China to complete Intertek's carbon footprint evaluation program and receive green leaf mark verification for our products



Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation.

# JAM6(K)(TG)-60/265-285/4BB

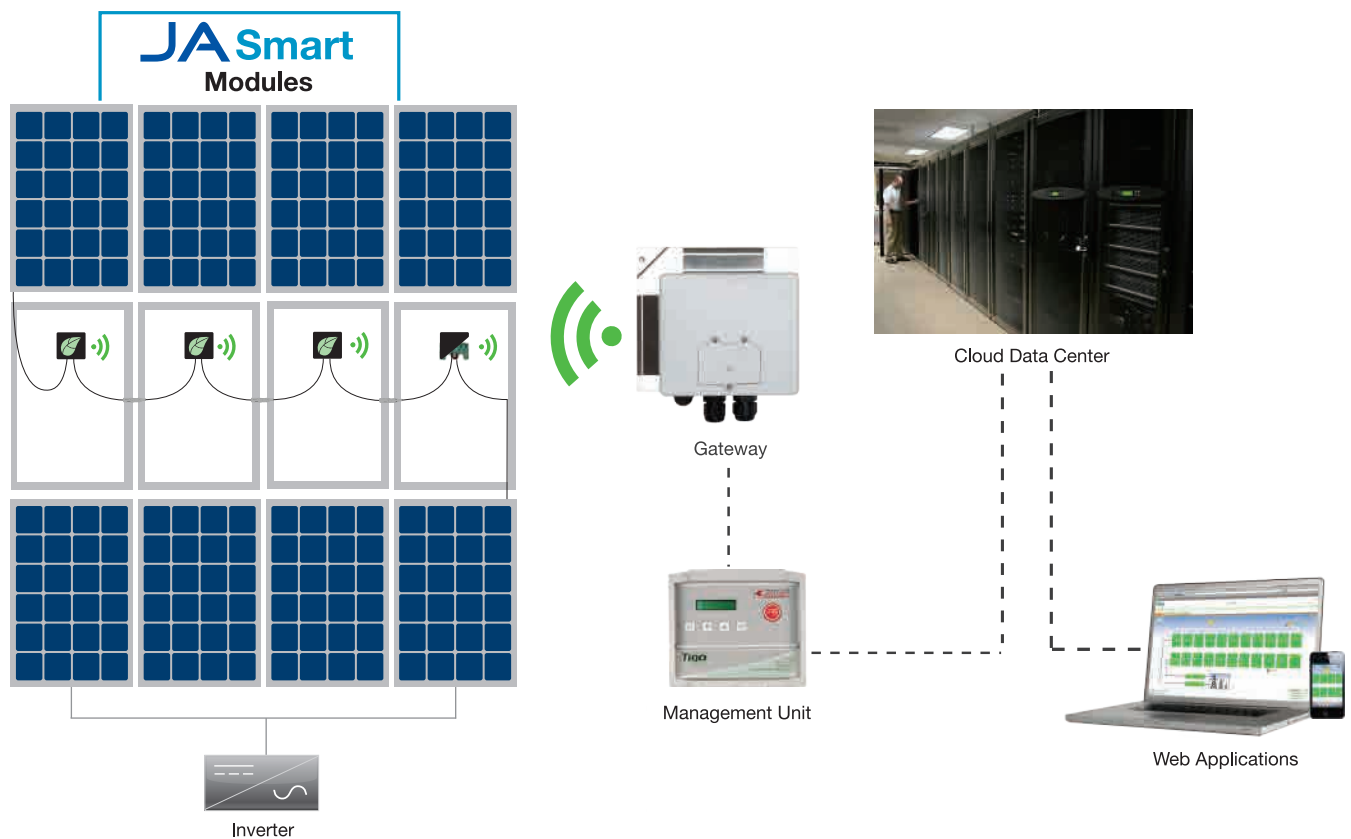
JA SOLAR

## One Smart Platform, For Any Smart Module Choice

JA smart use TS4 universal JBox platform, from Tigo Energy, enables plug-and-play functionality to any solar modules. The TS4 open platform currently offers five different functions at various price points. Choose the TS4 platform for your next PV Module to streamline operations and hedge against the future.

## System Architecture

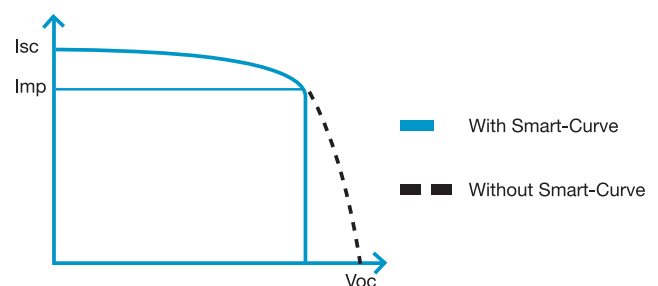
JA smart system components work together with any inverter to maximize energy harvest. JA smart modules communicate wirelessly through the gateway, allowing users to monitor system performance in real time.



## Smart Curve Technology

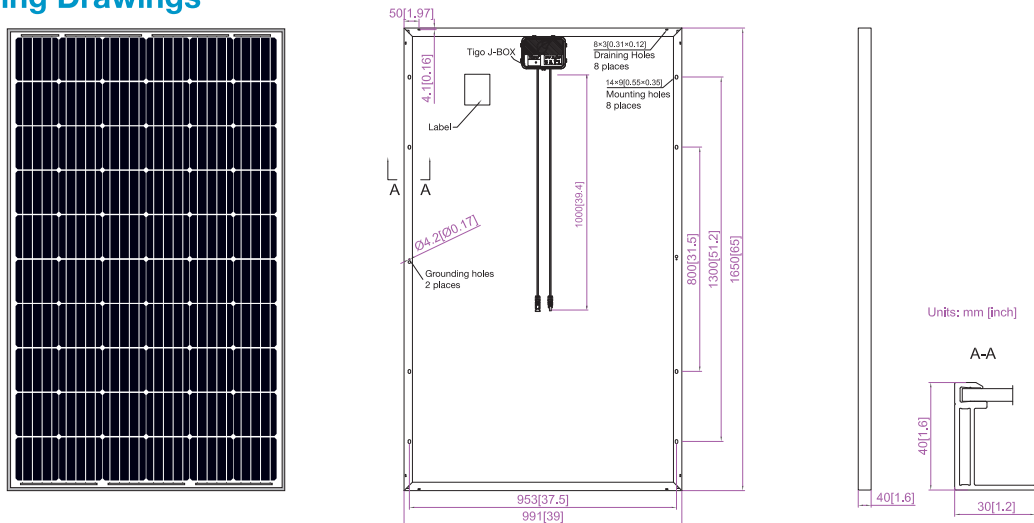
Module-integrated smart technology reduces the open circuit voltage range for each module and allows longer strings to be designed. The maximum voltage is programmed by JA Solar in the factory.

- Hardware voltage clamp prevents over-voltage
- Design up to 30% longer strings
- Fewer combiner boxes, fuses and wiring
- Smaller resistance losses



# JAM6 (K)(TG) -60/265-285/4BB

## Engineering Drawings

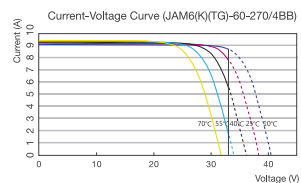
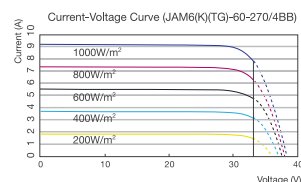


MECHANICAL PARAMETERS	
Cell (mm)	Mono 156.75×156.75
Weight (kg)	18.5±0.5
Dimensions (L×W×H) (mm)	1650×991×40
Cable Cross Section Size (mm <sup>2</sup> )	4
No. of Cells and Connections	60 (6×10)
Junction BOX	Tigo Ts4 smart J-Box IP67
Connector	MC4
Packaging Configuration	27 Per Pallet

WORKING CONDITIONS	
Maximum System Voltage	DC 1000V (TÜV) / 1000V (ETL)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	15A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft <sup>2</sup> )
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Application Class	Class A

TYPE	ELECTRICAL PARAMETERS				
	JAM6(K)(TG) -60-265/4BB	JAM6(K)(TG) -60-270/4BB	JAM6(K)(TG) -60-275/4BB	JAM6(K)(TG) -60-280/4BB	JAM6(K)(TG) -60-285/4BB
Rated Maximum Power at STC (W)	265	270	275	280	285
Open Circuit Voltage (Voc/V)	33.20	33.20	33.20	33.20	33.20
Maximum Power Voltage (Vmp/V)	30.42	30.68	30.80	30.97	31.15
Short Circuit Current (Isc/A)	9.50	9.50	9.50	9.50	9.50
Maximum Power Current (Imp/A)	8.71	8.80	8.93	9.04	9.15
Module Efficiency [%]	16.21	16.51	16.82	17.12	17.43
Power Tolerance (W)	-0 ~ +5W				
Temperature Coefficient of Isc (atIsc)	+0.059%/°C				
Temperature Coefficient of Voc (βVoc)	0/°C				
Temperature Coefficient of Pmax (γPmp)	-0.410%/°C				
STC	Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, Air Mass 1.5				

## I-V CURVE



NOCT					
TYPE	ELECTRICAL PARAMETERS				
	JAM6(K)(TG) -60-270/4BB	JAM6(K)(TG) -60-275/4BB	JAM6(K)(TG) -60-280/4BB	JAM6(K)(TG) -60-285/4BB	JAM6(K)(TG) -60-290/4BB
Max Power at STC (Pmax) [W]	193.72	197.37	201.03	204.68	208.34
Open Circuit Voltage (Voc) [V]	33.20	33.20	33.20	33.20	33.20
Max Power Voltage (Vmp) [V]	28.03	28.32	28.51	28.71	28.90
Short Circuit Current (Isc) [A]	9.50	9.50	9.50	9.50	9.50
Max Power Current (Imp) [A]	6.91	6.97	7.05	7.13	7.21
Condition	Under Normal Operating Cell Temperature, Irradiance of 800 W/m <sup>2</sup> , spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s				



Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.