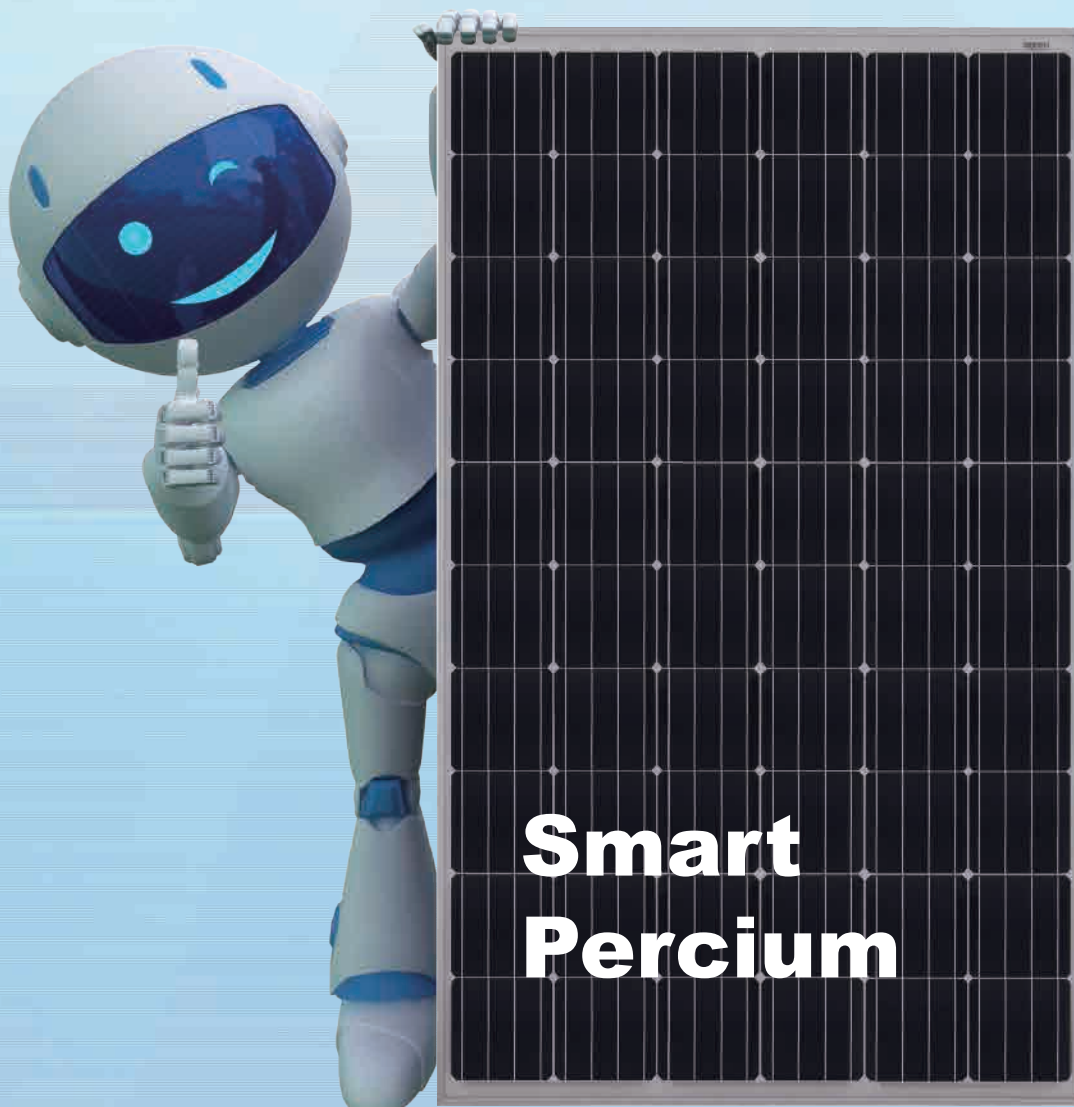


285W, 25W > Average
100% Communication
20% + Power Output
30% Longer Strings



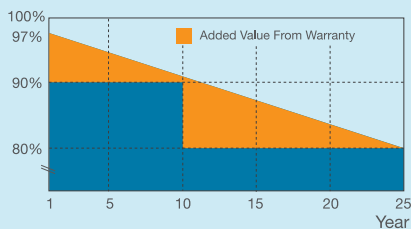
JA Solar Holdings Co., Ltd.

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.

Add: Building No.8, Nuode Center, Automobile Museum East Road, Fengtai District, Beijing
 Tel: +86 (10) 63611888
 Fax: +86 (10) 63611999
 Email: sales@jasolar.com market@jasolar.com

Product Warranty

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



Additional Insurance Options



Partner Section

JAM6 (K)(TG)

-60/280-300/PR

MONOCRYSTALLINE SMART MODULE

Key Features



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



The mono cell technology with passivated backside and local BSF, 20.4% average mass production efficiency



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



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

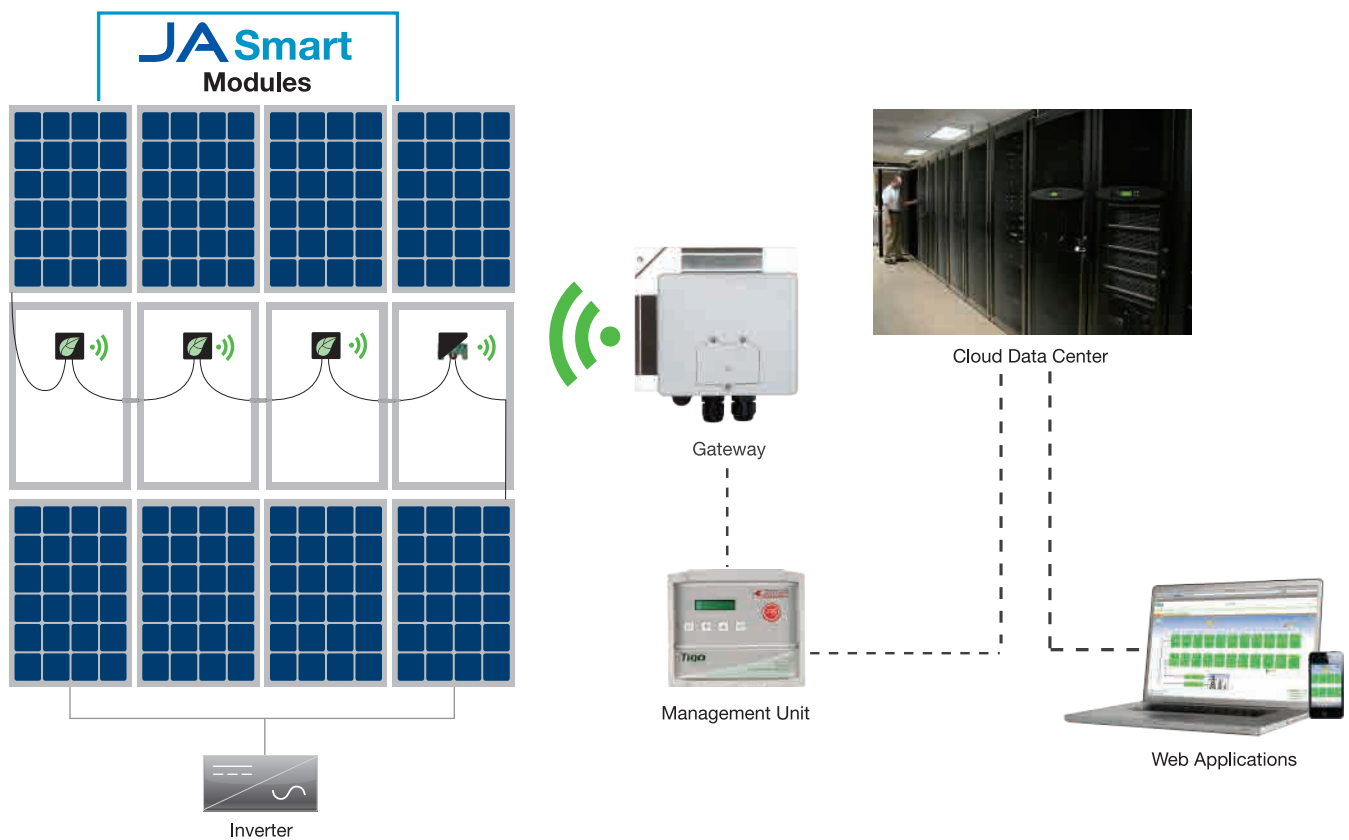


Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation.

JA smart modules incorporate innovative power electronics from Tigo Energy to achieve module-level diagnostics, maximum energy harvest through module level DC power optimization, and reduction of arc, fire and safety hazards. Integration of the module optimizer into the junction-box enables patented Smart Curve technology, which allows up to 30% longer strings and significant balance-of-system (BOS) savings.

System Architecture

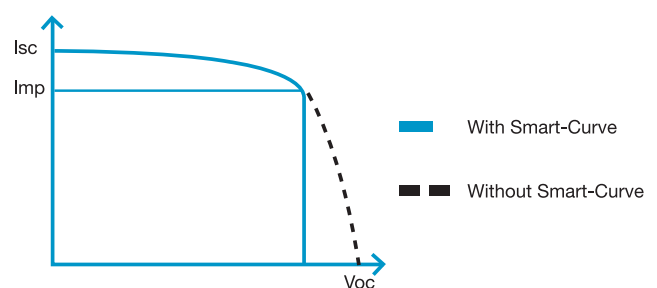
JA smart system components work together with any inverter to maximize energy harvest. JA smart modules communicate wirelessly through the gateway, allowing users to monitor system performance in real time.



Smart Curve Technology

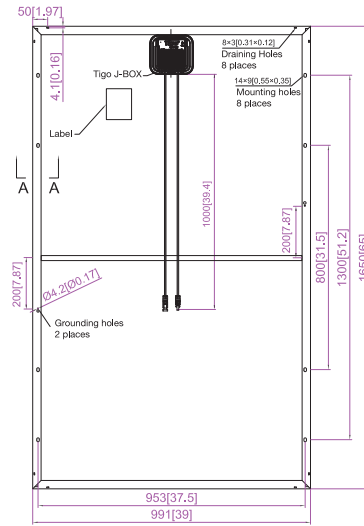
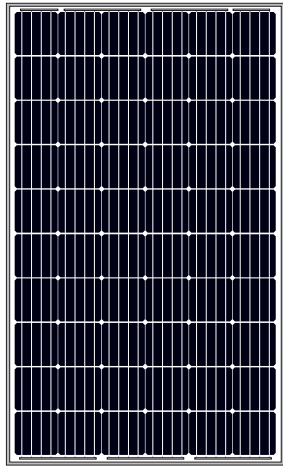
Module-integrated smart technology reduces the open circuit voltage range for each module and allows longer strings to be designed. The maximum voltage is programmed by JA Solar in the factory.

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



JAM6(K)(TG)-60/280-300/PR

Engineering Drawings



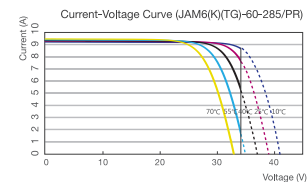
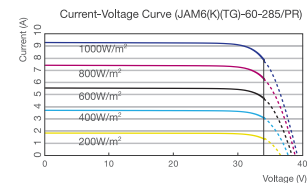
MECHANICAL PARAMETERS	
Cell (mm)	Almost Full Square Mono 156.75x156.75
Weight (kg)	18.5 (approx)
Dimensions (LxWxH) (mm)	1650x991x40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	60 (6x10)
Junction BOX	Tigo smart J-Box IP67
Connector	MC4
Packaging Configuration	27 Per Pallet

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

TYPE	ELECTRICAL PARAMETERS				
	JAM6(K)(TG) -60-280/PR	JAM6(K)(TG) -60-285/PR	JAM6(K)(TG) -60-290/PR	JAM6(K)(TG) -60-295/PR	JAM6(K)(TG) -60-300/PR
Rated Maximum Power at STC (W)	280	285	290	295	300
Open Circuit Voltage (Voc/V)	34.23	34.23	34.23	34.23	34.23
Maximum Power Voltage (Vmp/V)	31.60	31.70	31.80	32.03	32.26
Short Circuit Current (Isc/A)	9.50	9.50	9.50	9.50	9.50
Maximum Power Current (Imp/A)	8.86	8.99	9.12	9.21	9.30
Module Efficiency [%]	17.12	17.43	17.74	18.04	18.35
Power Tolerance (W)	-0~+5W				
Temperature Coefficient of Isc (αIsc)	+0.060%/°C				
Temperature Coefficient of Voc (βVoc)	0/°C				
Temperature Coefficient of Pmax (γPmp)	-0.390%/°C				
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

TYPE	NOCT				
	JAM6(K)(TG) -60-280/PR	JAM6(K)(TG) -60-285/PR	JAM6(K)(TG) -60-290/PR	JAM6(K)(TG) -60-295/PR	JAM6(K)(TG) -60-300/PR
Max Power at STC (Pmax) [W]	204.71	208.36	212.02	215.67	219.33
Open Circuit Voltage (Voc) [V]	34.23	34.23	34.23	34.23	34.23
Max Power Voltage (Vmp) [V]	28.55	28.62	28.81	28.87	28.94
Short Circuit Current (Isc) [A]	9.50	9.50	9.50	9.50	9.50
Max Power Current (Imp) [A]	7.17	7.28	7.36	7.47	7.58
Condition	Under Normal Operating Cell Temperature, Irradiance of 800 W/m ² , spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s				

I-V CURVE



PV 2.0



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.