

# JAM6(K)

-48/215-235/4BB

F 35-35

MONOCRYSTALLINE SILICON MODULE



## JA Solar Holdings Co., Ltd.

JA Solar Holdings Co., Ltd. is a world-leading manufacturer of high-performance photovoltaic products that convert sunlight into electricity for residential, commercial, and utility-scale power generation. The company was founded on May 18, 2005, and was publicly listed on NASDAQ on February 7, 2007. JA Solar is one of the world's largest producers of solar cells and modules. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry.

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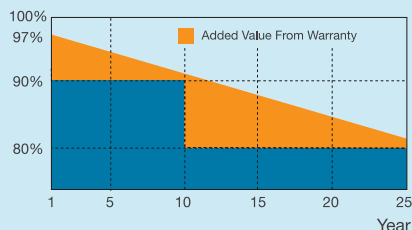
TEL: +86 (10) 63611888

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## Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty



## Key Features



JA 4BB design module reduce cell series resistance and stress between cell interconnectors improves module reliability and module conversion efficiency



High power output of more than 225W and module efficiency up to 17.15% which has been verified by TÜV Rheinland



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



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 defect-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

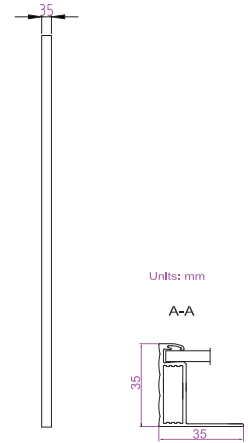
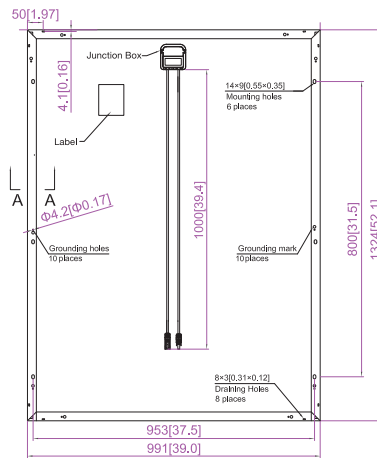
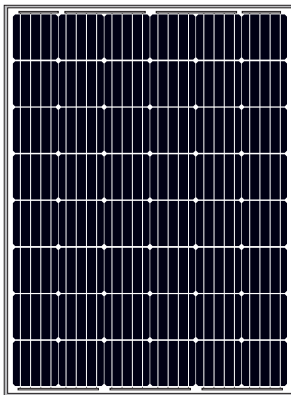


Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation.

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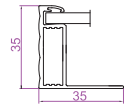
## F 35-35

### Engineering Drawings



Units: mm

A-A

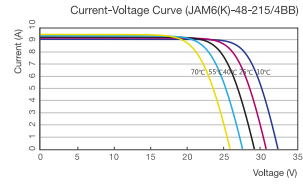
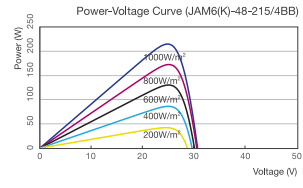
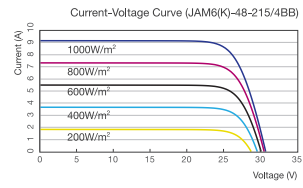


MECHANICAL PARAMETERS	
Cell (mm)	Almost Full Square Mono 156.75x156.75
Weight (kg)	15.0
Dimensions (LxWxH) (mm)	1324x991x35
Cable Cross Section Size (mm <sup>2</sup> )	4
No. of Cells and Connections	48 (6x8)
No. of Diodes	IP67, 3 diodes
Junction Box Connector	MC4 Compatible
Packaging Configuration	30 Per Pallet

WORKING CONDITIONS	
Maximum System Voltage	DC 1000V (IEC)
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)-48-215/4BB	JAM6(K)-48-220/4BB	JAM6(K)-48-225/4BB	JAM6(K)-48-230/4BB	JAM6(K)-48-235/4BB
Rated Maximum Power at STC (W)	215	220	225	230	235
Open Circuit Voltage (Voc/V)	30.51	30.64	30.83	31.18	31.45
Maximum Power Voltage (Vmp/V)	24.46	24.69	24.97	25.25	25.54
Short Circuit Current (Isc/A)	9.30	9.38	9.49	9.58	9.67
Maximum Power Current (Imp/A)	8.79	8.91	9.01	9.11	9.20
Module Efficiency [%]	16.39	16.77	17.15	17.53	17.91
Power Tolerance (W)	-0 ~ +5W				
Temperature Coefficient of Isc (αIsc)	+0.059%/°C				
Temperature Coefficient of Voc (βVoc)	-0.330%/°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



TYPE	NOCT				
	JAM6(K)-48-215/4BB	JAM6(K)-48-220/4BB	JAM6(K)-48-225/4BB	JAM6(K)-48-230/4BB	JAM6(K)-48-235/4BB
Max Power (Pmax) [W]	157.17	160.82	164.48	168.13	171.79
Open Circuit Voltage (Voc) [V]	28.17	28.38	28.63	28.85	29.07
Max Power Voltage (Vmp) [V]	22.52	22.78	23.07	23.32	23.50
Short Circuit Current (Isc) [A]	7.32	7.39	7.47	7.55	7.64
Max Power Current (Imp) [A]	6.98	7.06	7.13	7.21	7.31
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.