

JAM5(L)(BK)

72/190-210

MONOCRYSTALLINE SILICON MODULE



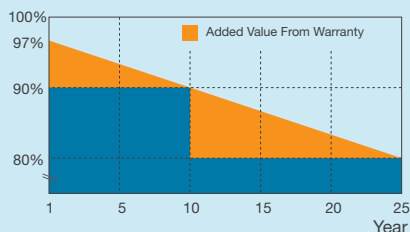
JA Solar Holdings Co., Ltd.

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.

A d d : NO.36, Jiang Chang San Road, Zhabei, Shanghai 200436, China
T e l : +86 21 6095 5888 / +86 21 6095 5999
F a x : +86 21 6095 5858 / +86 21 6095 5959
Email: sales@jasolar.com market@jasolar.com

Superior Warranty

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



Key Features



Aesthetically appealing design with black frame and backsheet especially suited for rooftop and utility applications



Anti-reflective and self-cleaning 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 defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) free

Comprehensive Certificates

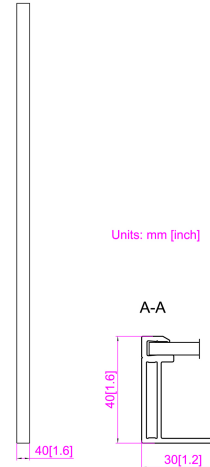
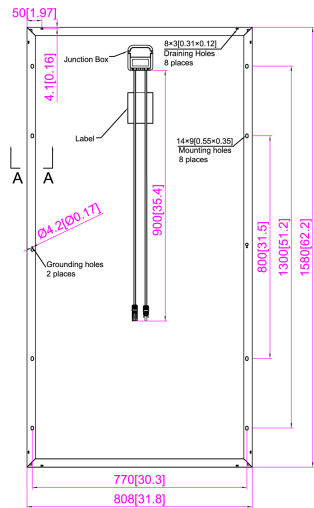
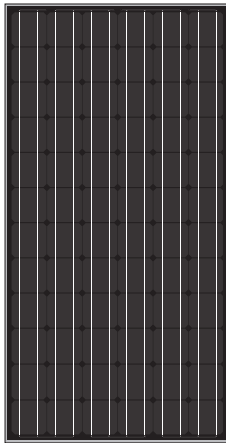
- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001: 2008: Quality management systems
- ISO 14001: 2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management systems
- Environmental policy: The first solar company in China to complete Intertek's 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.

JAM5(L)(BK) 72/190-210

Engineering Drawings



Units: mm [inch]

A-A

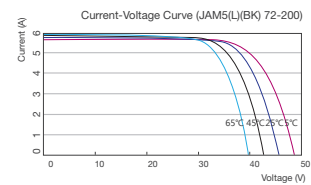
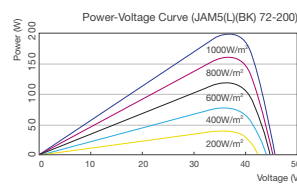
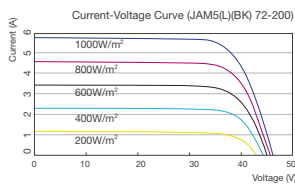
MECHANICAL PARAMETERS

Cell (mm)	Mono 125×125 (L)
Weight (kg)	15.0 (approx)
Dimensions (L×W×H) (mm)	1580×808×40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6×12)
No. of Diodes	3
Junction Box Connector	MC4 Compatible
Packaging Configuration	26/26+2 Per Pallet

WORKING CONDITIONS

Maximum System Voltage	DC 1000V (TÜV) / 600V (UL) / 1000V (ETL)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	10A
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

I-V CURVE



ELECTRICAL PARAMETERS

TYPE	JAM5(L)(BK) 72-190/SI	JAM5(L)(BK) 72-195/SI	JAM5(L)(BK) 72-200/SI	JAM5(L)(BK) 72-205/SI	JAM5(L)(BK) 72-210/SI
Rated Maximum Power at STC (W)	190	195	200	205	210
Open Circuit Voltage (Voc/V)	45.38	45.56	45.69	45.92	46.09
Maximum Power Voltage (Vmp/V)	36.66	36.66	37.11	37.35	37.73
Short Circuit Current (Isc/A)	5.58	5.6	5.69	5.74	5.79
Maximum Power Current (Imp/A)	5.18	5.32	5.39	5.49	5.57
Module Efficiency [%]	14.88	15.27	15.67	16.06	16.45
Power Tolerance (W)	-0 ~ +5W				
Temperature Coefficient of Isc (αIsc)	+0.049%/°C				
Temperature Coefficient of Voc (βVoc)	-0.340%/°C				
Temperature Coefficient of Pmax (γPmp)	-0.430%/°C				
STC	Irradiance 1000W/m ² , Module Temperature 25°C, Air Mass 1.5				

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.