

JAP6

72/280-310/3BB

MONOCRYSTALLINE SILICON MODULE



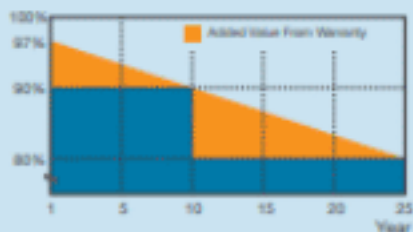
JA Solar Holdings Co., Ltd.

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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Superior Warranty

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



Key Features



Multicrystalline modules designed for commercial and solar farm grid-tied applications



High output, 15.48% highest conversion efficiency



Designed for UL 600V or ETL 1000V. IEC1000V 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

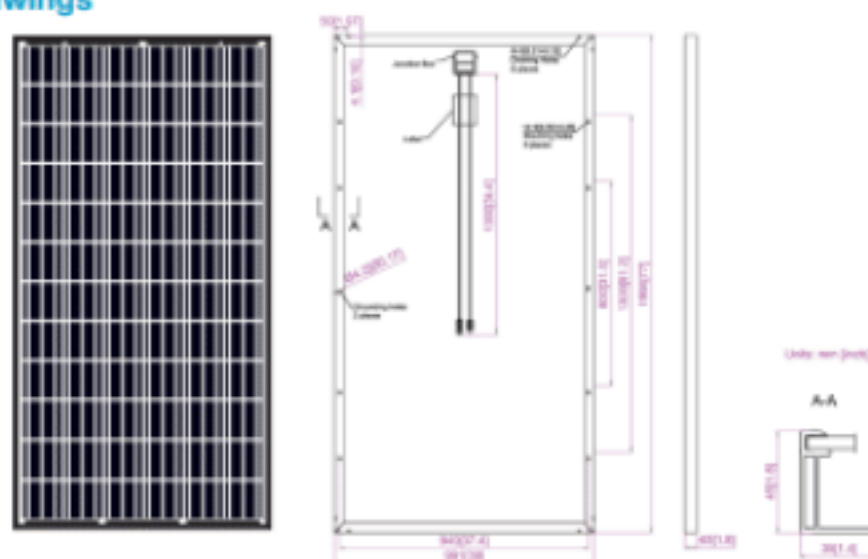
- Positive Power Tolerance: 0-+5W
- 100% EL double-inspection ensures modules are defects free
- Elaborated module current rating to improve system performance
- Potential-induced Degradation (PID) free

Comprehensive Certificates

- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001: 2008: Quality management system
- ISO 14001: 2004: Standards for environmental management system
- BS OHSAS 18001: 2007 International standards for occupational health and safety
- 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



Engineering Drawings



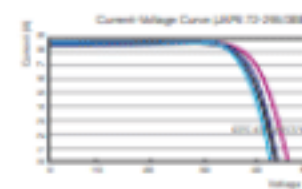
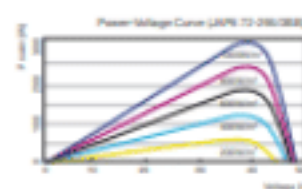
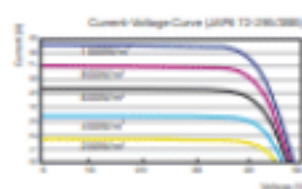
MECHANICAL PARAMETERS

Cell (mm)	Poly 156x156
Weight (kg)	22.5 (approx)
Dimensions (LxWxH) (mm)	1956x991x45
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6x12)
No. of Diodes	3 or 6 (2 in parallel)
Junction Box Connector	MC4 Compatible
Packaging Configuration	22 Per Pallet

WORKING CONDITIONS

Maximum System Voltage	DC 1000V (TUV) / 600V (UL) / 1000V (ETL)
Operating Temp.	-40°C ~ +85°C
Maximum Series Fuse	15A
Max. static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Max. 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	JAP6 72-280/3BB	JAP6 72-285/3BB	JAP6 72-290/3BB	JAP6 72-295/3BB	JAP6 72-300/3BB	JAP6 72-305/3BB	JAP6 72-310/3BB
Rated Maximum Power at STC (W)	280	285	290	295	300	305	310
Open Circuit Voltage (Voc/V)	45.38	45.41	45.72	45.9	46.08	46.20	46.20
Maximum Power Voltage (Vmp/V)	35.99	36.08	36.39	36.60	36.82	36.97	37.04
Short Circuit Current (Isc/A)	8.29	8.38	8.42	8.48	8.53	8.60	8.60
Maximum Power Current (Imp/A)	7.78	7.90	7.97	8.06	8.15	8.25	8.37
Module Efficiency (%)	14.44	14.70	14.96	15.22	15.48	15.73	15.99
Power Tolerance (W)	-0 ~ +5W						
Temperature Coefficient of Isc (αIsc)	+0.082%/°C						
Temperature Coefficient of Voc (βVoc)	-0.330%/°C						
Temperature Coefficient of Pmax (γPmp)	-0.450%/°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.