

# JAP72S01

310-330 1000V Cypress Series  
MULTICRYSTALLINE SILICON SOLAR MODULE



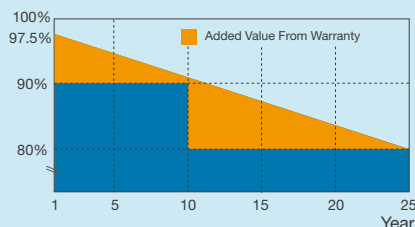
## JA Solar Holdings Co., Ltd.

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 solid financial status, JA Solar is your best choice of long-term trustworthy partner.

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## Superior Warranty

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



## Key Features



5BB design reduces cell series resistance and stress between cell interconnectors improves module reliability and conversion efficiency



High output, 16.99% highest conversion efficiency



Certified with 1000V DC IEC standard



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 heavy snow loads (5400Pa)



Strong salt and ammonia resistance certified by TÜV NORD

## Reliable Quality

- Positive power tolerance: 0~+5W
- 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.

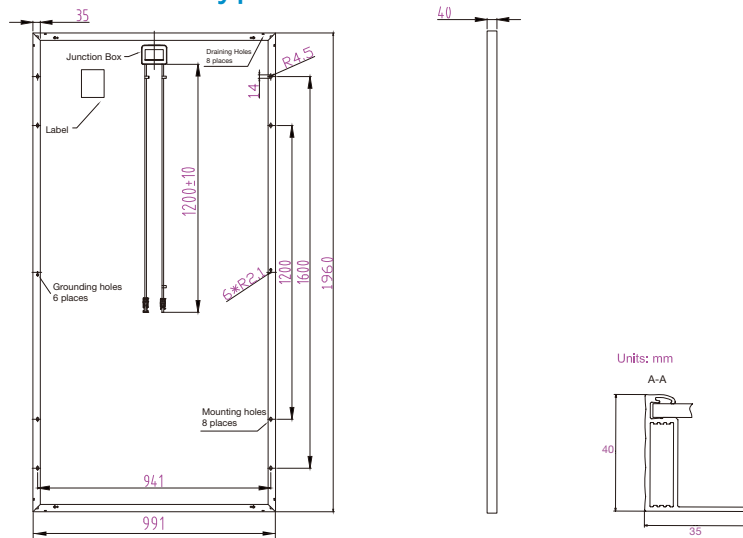
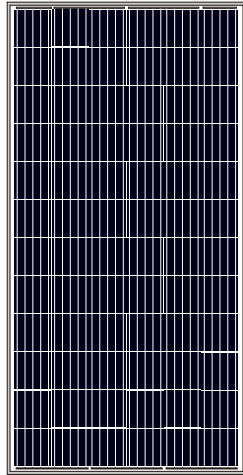
# JAP72S01

310-330/SC

1000V Cypress Series

JA SOLAR

## MECHANICAL DIAGRAM



## SPECIFICATIONS

Cell	Poly 156.75×156.75mm
Weight	22.5kg±3%
Dimensions	1960×991×40mm
Cable Cross Section Size	4mm <sup>2</sup>
No. of Cells	72 (6×12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	27 Per Pallet

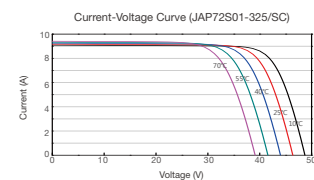
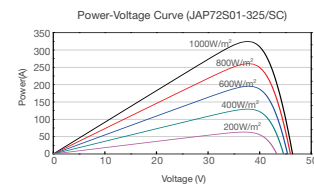
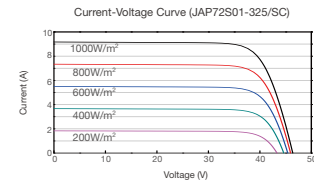
## OPERATING CONDITIONS

Maximum System Voltage	1000V DC (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Maximum Static Load, Front Maximum Static Load, Back	5400Pa 2400Pa
NOCT	45±2°C
Application Class	Class A

## ELECTRICAL PARAMETERS AT STC

TYPE	JAP72S01 -310/SC	JAP72S01 -315/SC	JAP72S01 -320/SC	JAP72S01 -325/SC	JAP72S01 -330/SC
Rated Maximum Power (Pmax) [W]	310	315	320	325	330
Open Circuit Voltage (Voc) [V]	45.56	45.85	46.12	46.38	46.40
Maximum Power Voltage (Vmp) [V]	36.89	37.09	37.28	37.39	37.65
Short Circuit Current (Isc) [A]	8.92	9.01	9.09	9.17	9.28
Maximum Power Current (Imp) [A]	8.40	8.49	8.58	8.69	8.77
Module Efficiency [%]	15.96	16.22	16.47	16.73	16.99
Power Tolerance	-0~+5W				
Temperature Coefficient of Isc (α <sub>Isc</sub> )	+0.058%/°C				
Temperature Coefficient of Voc (β <sub>Voc</sub> )	-0.330%/°C				
Temperature Coefficient of Pmax (γ <sub>Pmp</sub> )	-0.410%/°C				
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G				

## CHARACTERISTICS



## ELECTRICAL PARAMETERS AT NOCT

TYPE	JAP72S01 -310/SC	JAP72S01 -315/SC	JAP72S01 -320/SC	JAP72S01 -325/SC	JAP72S01 -330/SC
Max Power (Pmax) [W]	229	233	237	241	244
Open Circuit Voltage (Voc) [V]	42.63	42.84	43.04	43.24	43.41
Max Power Voltage (Vmp) [V]	34.32	34.45	34.64	34.82	35.03
Short Circuit Current (Isc) [A]	7.18	7.23	7.29	7.35	7.40
Max Power Current (Imp) [A]	6.68	6.77	6.84	6.91	6.97
NOCT	Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, wind speed 1m/s, AM 1.5G				

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.