

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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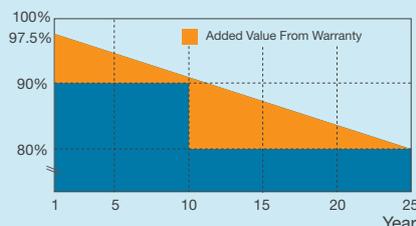
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Superior Warranty

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



JAP72S01

310-330 1500V Cypress Series
MULTICRYSTALLINE SILICON SOLAR MODULE

Key Features



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



High output, up to 16.99% module conversion efficiency



Certified with 1500V DC IEC standard
50% more strings and fewer components enable lower BOS costs



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 load and heavy snow load



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 in accordance to IEC 62804

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



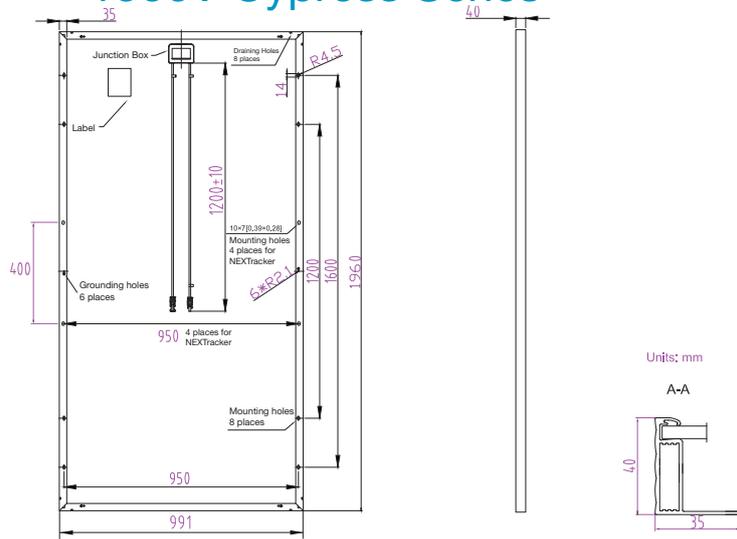
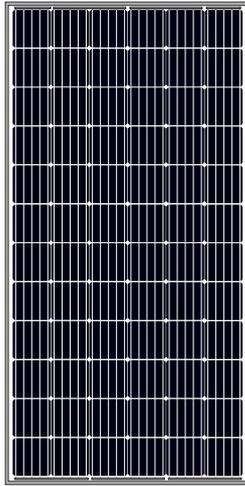
Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation.

JAP72S01 310-330/SC

JA SOLAR

1500V Cypress Series

MECHANICAL DIAGRAM



■ customized cable length available upon request

SPECIFICATIONS

Cell	Poly 156.75x156.75mm
Weight	22.5kg±3%
Glass	3.2mm
Dimensions	1960x991x40mm
Cable Cross Section Size	4mm ² (12AWG)
No. of Cells	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	Amphenol UTX
Packaging Configuration	27 Per Pallet

OPERATING CONDITIONS

Maximum System Voltage	1500V DC (UL)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load, Front*	5400Pa(112 lb/ft ²)
Maximum Static Load, Back*	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Fire Performance	Type 1
Application Class	Class A

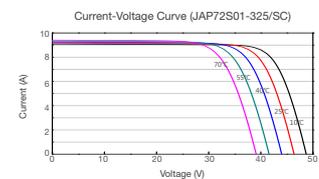
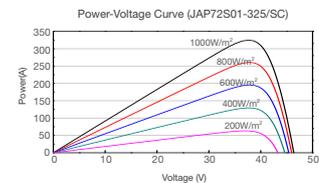
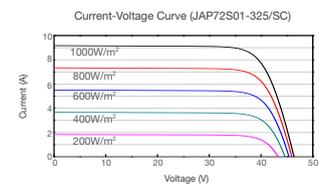
ELECTRICAL PARAMETERS AT STC

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 _{Isc})	+0.058%/°C				
Temperature Coefficient of Voc (β _{Voc})	-0.330%/°C				
Temperature Coefficient of Pmax (γ _{Pmp})	-0.410%/°C				
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM 1.5G				

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 ² , ambient temperature 20°C, wind speed 1m/s, AM 1.5G				

CHARACTERISTICS



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.
*For NexTracker installations static loading performances: front load measures 2400Pa while back load measures 1600Pa.