

JAP72S01

315-335 1000V Cypress Series
MULTICRYSTALLINE SILICON SOLAR MODULE



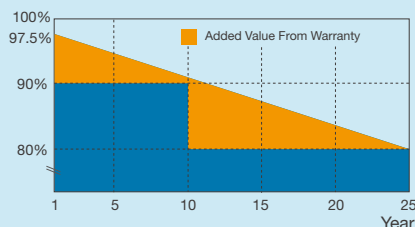
JA Solar Holdings Co., Ltd.

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 to improve module reliability and conversion efficiency



High output, up to 17.25% module 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 in accordance to IEC62804

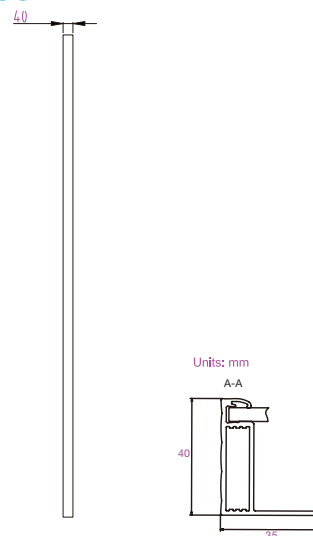
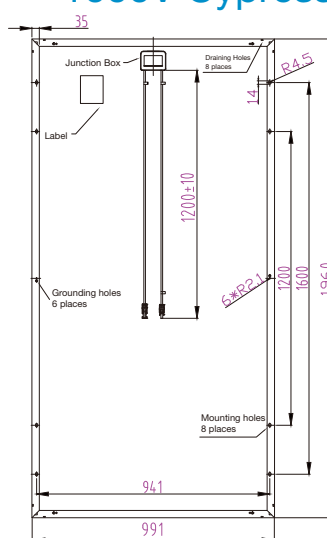
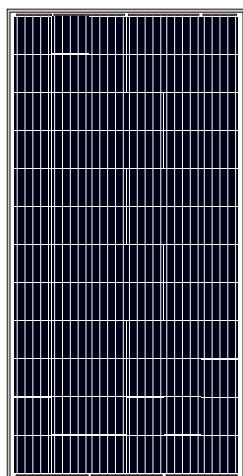
Comprehensive Certificates

- 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.

MECHANICAL DIAGRAMS



■ customized cable length available upon request

SPECIFICATIONS

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

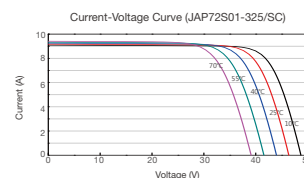
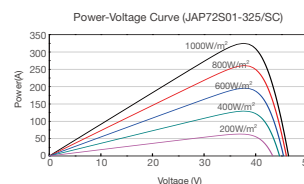
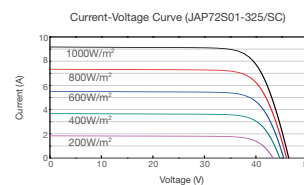
OPERATING CONDITIONS

| | |
|---------------------------------------------------------|------------------|
| 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 -315/SC | JAP72S01 -320/SC | JAP72S01 -325/SC | JAP72S01 -330/SC | JAP72S01 -335/SC |
|-----------------------------------------------------|-----------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power (Pmax) [W] | 315 | 320 | 325 | 330 | 335 |
| Open Circuit Voltage (Voc) [V] | 45.85 | 46.12 | 46.38 | 46.40 | 46.70 |
| Maximum Power Voltage (Vmp) [V] | 37.09 | 37.28 | 37.39 | 37.65 | 37.83 |
| Short Circuit Current (Isc) [A] | 9.01 | 9.09 | 9.17 | 9.28 | 9.35 |
| Maximum Power Current (Imp) [A] | 8.49 | 8.58 | 8.69 | 8.77 | 8.87 |
| Module Efficiency [%] | 16.22 | 16.47 | 16.73 | 16.99 | 17.25 |
| 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, AM1.5G | | | | |

CHARACTERISTICS



ELECTRICAL PARAMETERS AT NOCT

| TYPE | JAP72S01 -315/SC | JAP72S01 -320/SC | JAP72S01 -325/SC | JAP72S01 -330/SC | JAP72S01 -335/SC |
|---------------------------------|-------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Max Power (Pmax) [W] | 233 | 237 | 241 | 244 | 248 |
| Open Circuit Voltage (Voc) [V] | 42.84 | 43.04 | 43.24 | 43.41 | 43.63 |
| Max Power Voltage (Vmp) [V] | 34.45 | 34.64 | 34.82 | 35.03 | 35.21 |
| Short Circuit Current (Isc) [A] | 7.23 | 7.29 | 7.35 | 7.40 | 7.46 |
| Max Power Current (Imp) [A] | 6.77 | 6.84 | 6.91 | 6.97 | 7.04 |
| NOCT | Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM 1.5G | | | | |