JA SOLAR

JAP60S01

255-275 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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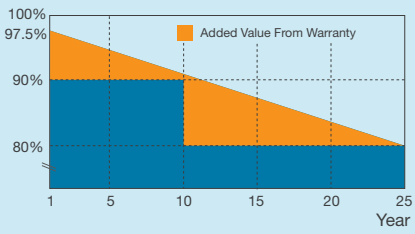
Superior Warranty

- 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 16.82% module conversion efficiency
- Certified with 1000V DC IEC standard (IEC 1000V)
- 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) (5400 Pa)
- Strong salt and ammonia resistance certified by TÜV NORD (TÜV)

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 Interteks'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.

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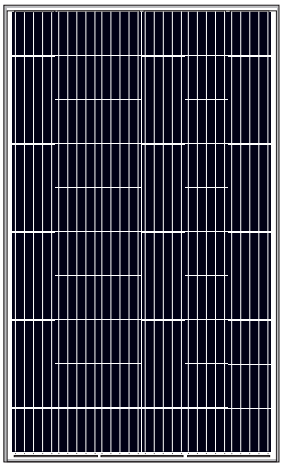
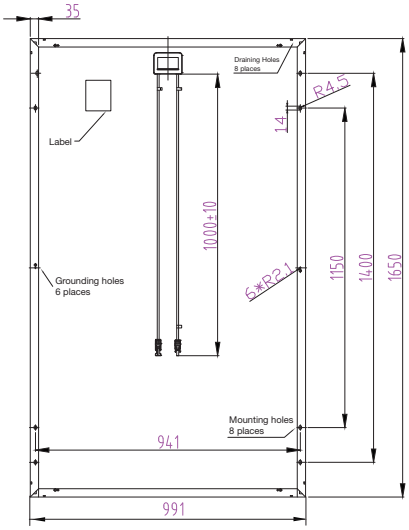
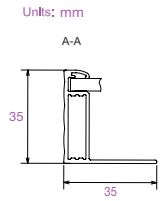
MECHANICAL DIAGRAMS







SPECIFICATIONS

Cell	Poly 156.75×156.75mm
Weight	18.2kg±3%
Dimensions	1650×991×35mm
Cable Cross Section Size	4mm^2
No. of Cells	60 (6×10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	30 Per Pallet

OPERATING CONDITIONS

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

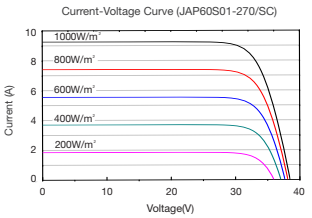
ELECTRICAL PARAMETERS AT STC

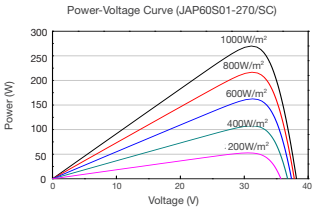
TYPE	JAP60S01 -255/SC	JAP60S01 -260/SC	JAP60S01 -265/SC	JAP60S01 -270/SC	JAP60S01 -275/SC
Rated Maximum Power (Pmax) [W]	255	260	265	270	275
Open Circuit Voltage (Voc) [V]	37.51	37.74	37.95	38.17	38.38
Maximum Power Voltage (Vmp) [V]	30.49	30.71	30.92	31.13	31.34
Short Circuit Current (Isc) [A]	8.93	9.04	9.11	9.18	9.29
Maximum Power Current (Imp) [A]	8.36	8.47	8.57	8.67	8.77
Module Efficiency [%]	15.59	15.90	16.21	16.51	16.82
Power Tolerance	-0~+5W				
Temperature Coefficient of Isc (α_Isc)	+0.058%/℃				
Temperature Coefficient of Voc (β_Voc)	-0.330%/℃				
Temperature Coefficient of Pmax (γ_Pmp)	-0.410%/℃				
STC	Irradiance 1000W/m^2, cell temperature 25℃, AM 1.5G				

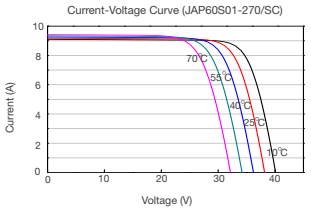
ELECTRICAL PARAMETERS AT NOCT

TYPE	JAP60S01 -255/SC	JAP60S01 -260/SC	JAP60S01 -265/SC	JAP60S01 -270/SC	JAP60S01 -275/SC
Rated Max Power (Pmax) [W]	189	192	196	200	204
Open Circuit Voltage (Voc) [V]	35.54	35.70	35.94	36.25	36.56
Max Power Voltage (Vmp) [V]	28.65	28.87	29.09	29.29	29.48
Short Circuit Current (Isc) [A]	7.16	7.20	7.23	7.27	7.33
Max Power Current (Imp) [A]	6.59	6.66	6.74	6.82	6.90
NOCT	Irradiance 800W/m^2, ambient temperature 20℃, 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.