Harvest the Sunshine

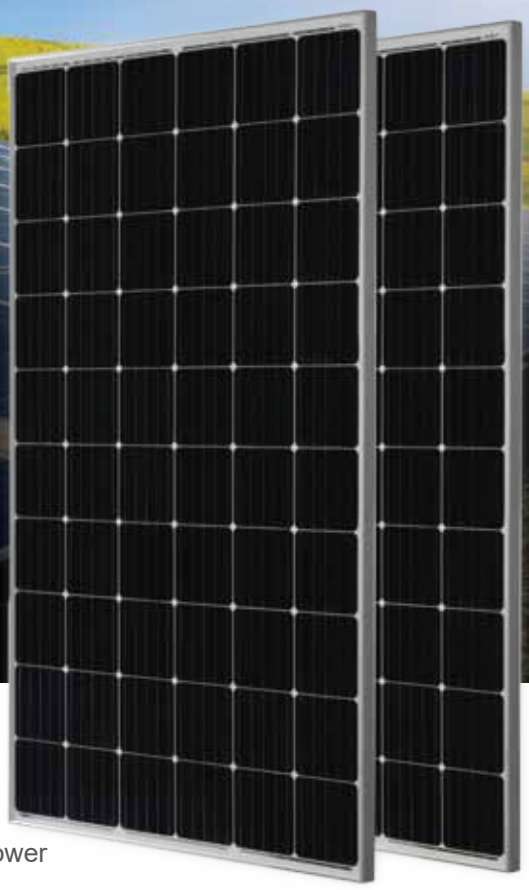
Mono

305W Module

JAM60S01 275-305/SC Series

Introduction

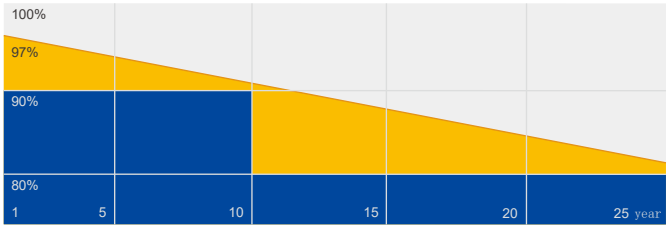
This time-tested legacy module series has been proven to be one of the powerful and most reliable products offered by JA Solar and the most popular choice by PV system installers and customers around worlds.



- 5 busbar solar cell design
- Higher output power
- Excellent low-light performance

Superior Warranty

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



JA Linear Power Warranty Industry Warranty

Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems

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

Shanghai JA Solar Technology Co., Ltd.

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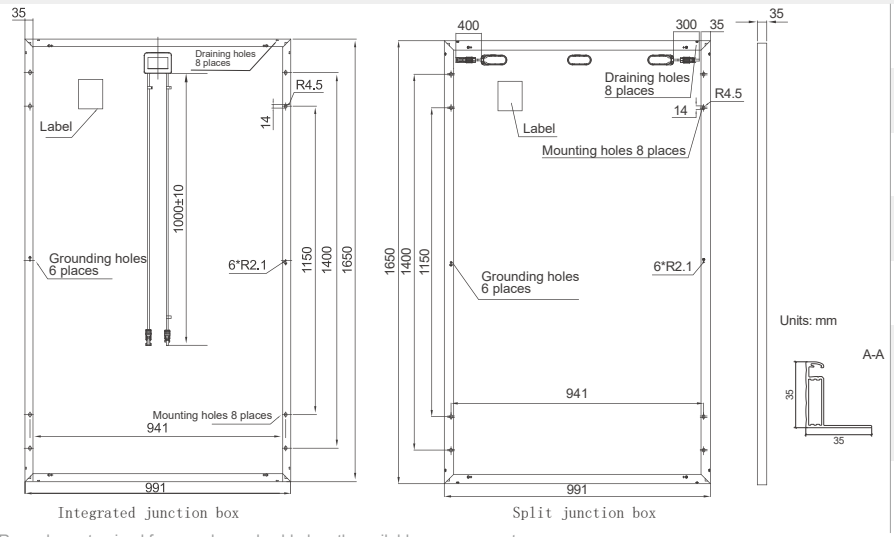
JAM60S01 275-305/SC Series

MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	18.2kg±3%
Dimensions	1650mm×991mm×35mm
Cable Cross Section Size	4mm²
No. of cells	60(6x10)
Connector	PV-ZH202B PV-KST4-EV02/xy,PV-KBT4-EV02/xy QC4.10-35/45 TL-Cable01S-F UTXCFA4AM, UTXCMA4AM
Country of Manufacturer	China/Vietnam

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60S01-275/SC	JAM60S01-280/SC	JAM60S01-285/SC	JAM60S01-290/SC	JAM60S01-295/SC	JAM60S01-300/SC	JAM60S01-305/SC
Rated Maximum Power(Pmax) [W]	275	280	285	290	295	300	305
Open Circuit Voltage(Voc) [V]	38.52	38.65	38.78	38.98	39.21	39.48	39.75
Maximum Power Voltage(Vmp) [V]	30.80	30.98	31.15	31.32	31.69	32.06	32.35
Short Circuit Current(Isc) [A]	9.38	9.49	9.58	9.69	9.75	9.81	9.88
Maximum Power Current(Imp) [A]	8.93	9.04	9.15	9.26	9.31	9.36	9.43
Module E fficiency [%]	16.8	17.1	17.4	17.7	18.0	18.4	18.7
Power Tolerance	0~+5W						
Temperature Coe fficient of Isc(α_Isc)	+0.059%/℃						
Temperature Coe fficient of Voc(β_ Voc)	-0.330%/ ℃						
Temperature Coe fficient of Pmax(γ_Pmp)	-0.400%/℃						
STC	Irradiance 1000W/m², cell temperature 25℃ AM1.5G						

Remark: 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.

ELECTRICAL PARAMETERS AT NOCT

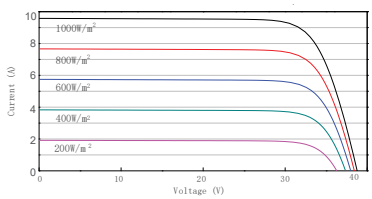
TYPE	JAM60S01-275/SC	JAM60S01-280/SC	JAM60S01-285/SC	JAM60S01-290/SC	JAM60S01-295/SC	JAM60S01-300/SC	JAM60S01-305/SC
Rated Max Power(Pmax) [W]	202	206	209	213	217	221	224
Open Circuit Voltage(Voc) [V]	35.50	35.77	35.97	36.18	36.39	36.61	36.89
Max Power Voltage(Vmp) [V]	28.67	28.86	29.05	29.28	29.54	29.84	30.16
Short Circuit Current(Isc) [A]	7.41	7.48	7.56	7.64	7.70	7.76	7.81
Max Power Current(Imp) [A]	7.05	7.13	7.21	7.28	7.34	7.39	7.45
NOCT	Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s, AM1.5G						

OPERATING CONDITIONS

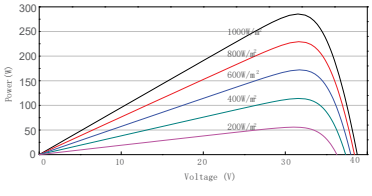
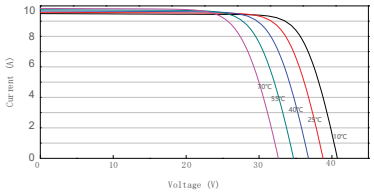
Maximum System Voltage	1500V DC(IEC)
Operating Temperature	-40℃~+85℃
Maximum Series Fuse	20A
Maximum Static Load,Front	3600Pa, 1.5
Maximum Static Load,Back	1600Pa, 1.5
NOCT	45±2℃
Application Class	Class A

CHARACTERISTICS

Current-Voltage Curve JAM60S01-285/SC



Power-Voltage Curve JAM60S01-285/SC



Current-Voltage Curve JAM60S01-285/SC