

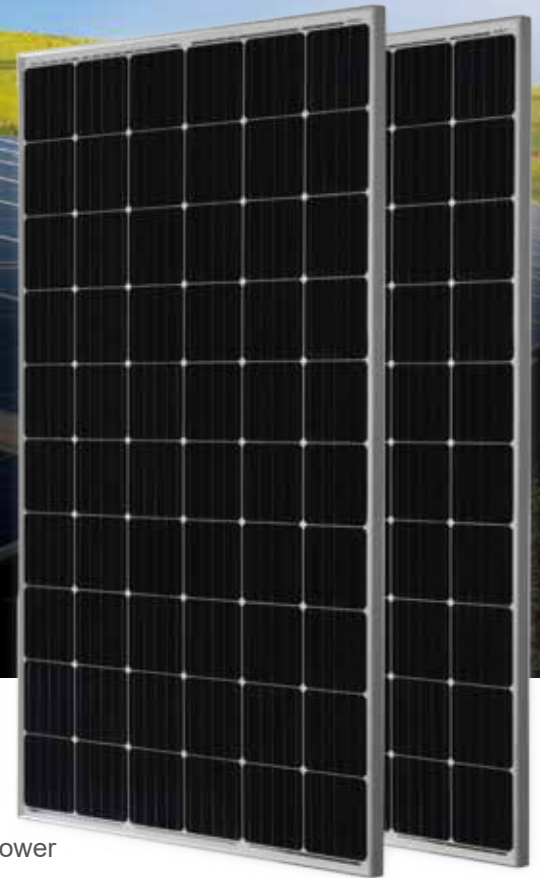


305W Module

JAM60S01 275-305/SC/1000V 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



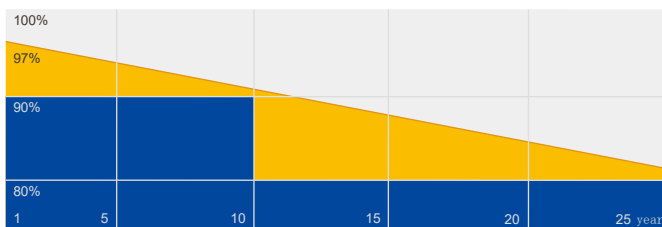
Higher output power



Excellent low-light performance

Superior Warranty

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



■ JA Linear Power Warranty ■ Industry Warranty

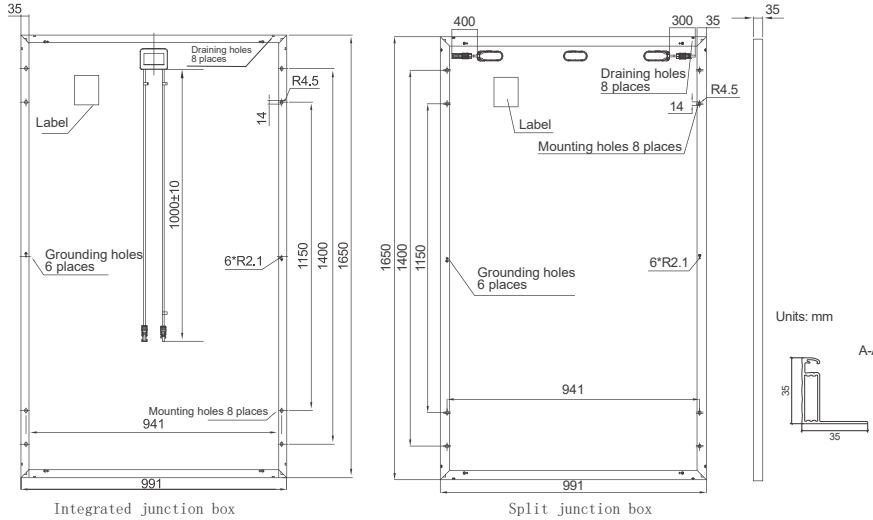
Comprehensive Certificates

- 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



MECHANICAL DIAGRAMS

SPECIFICATIONS



Cell	Mono
Weight	18.2kg±3%
Dimensions	1650mm×991mm×35mm
Cable Cross Section Size	4mm ²
No. of cells	60(6x10)
Connector	Genuine MC4 QC4.10
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60S01-275/SC /1000V	JAM60S01-280/SC /1000V	JAM60S01-285/SC /1000V	JAM60S01-290/SC /1000V	JAM60S01-295/SC /1000V	JAM60S01-300/SC /1000V	JAM60S01-305/SC /1000V
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 Efficiency [%]	16.8	17.1	17.4	17.7	18.0	18.4	18.7
Power Tolerance	0~+5W						
Temperature Coefficient of Isc(α _{Isc})	+0.059%/°C						
Temperature Coefficient of Voc(β _{Voc})	-0.330%/°C						
Temperature Coefficient of Pmax(γ _{Pmp})	-0.400%/°C						
STC	Irradiance 1000W/m ² , cell temperature 25 °C 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.

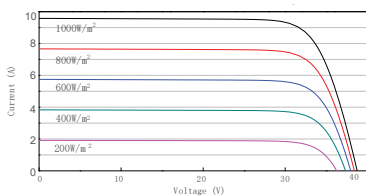
ELECTRICAL PARAMETERS AT NOCT

OPERATING CONDITIONS

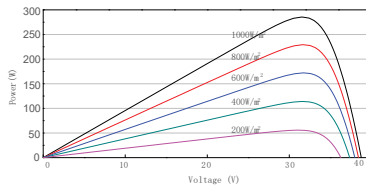
TYPE	JAM60S01-275/SC/1000V	JAM60S01-280/SC/1000V	JAM60S01-285/SC/1000V	JAM60S01-290/SC/1000V	JAM60S01-295/SC/1000V	JAM60S01-300/SC/1000V	JAM60S01-305/SC/1000V	Maximum System Voltage	1000V DC(IEC)
Rated Max Power(Pmax) [W]	202	206	209	213	217	221	224	Operating Temperature	-40°C~+85 °C
Open Circuit Voltage(Voc) [V]	35.50	35.77	35.97	36.18	36.39	36.61	36.89	Maximum Series Fuse	20A
Max Power Voltage(Vmp) [V]	28.67	28.86	29.05	29.28	29.54	29.84	30.16	Maximum Static Load,Front	3600Pa, 1.5
Short Circuit Current(Isc) [A]	7.41	7.48	7.56	7.64	7.70	7.76	7.81	Maximum Static Load,Back	1600Pa, 1.5
Max Power Current(Imp) [A]	7.05	7.13	7.21	7.28	7.34	7.39	7.45	NOCT	45±2°C
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G							Application Class	Class A

CHARACTERISTICS

Current-Voltage Curve JAM60S01-285/SC/1000V



Power-Voltage Curve JAM60S01-285/SC/1000V



Current-Voltage Curve JAM60S01-285/SC/1000V

