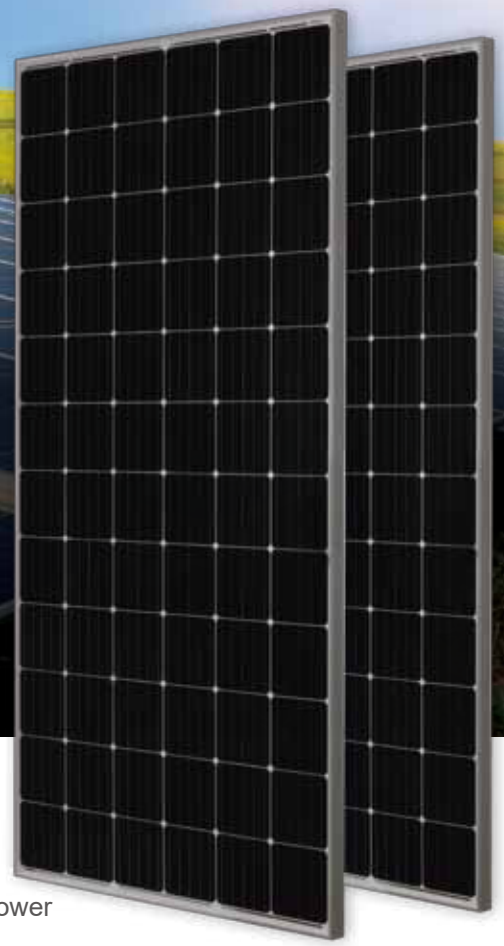
Harvest the Sunshine



Mono

390W PERC Module

JAM72S01 370-390/PR/1000V Series

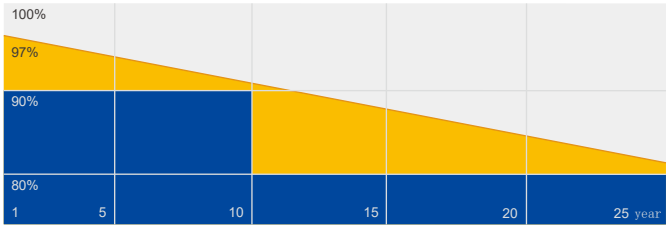
Introduction

Powered by high-efficiency PERCIUM cells, this series of high-performance modules provides the most cost-effective solution for lowering the LCOE of any PV systems large or small.

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

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

JA SOLAR

www.jasolar.com

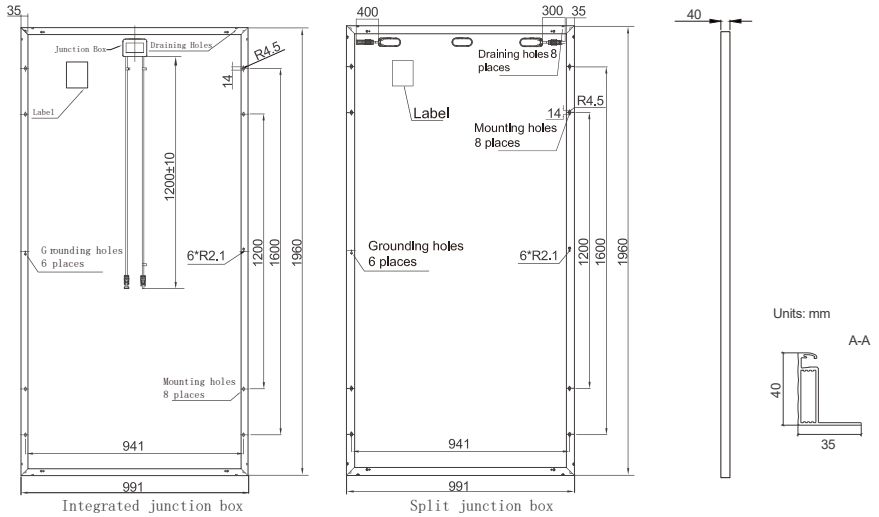
Specificantions subject to technical changes and tests.
JA Solar reserves the right of final interpretation.

Shanghai JA Solar Technology Co., Ltd.

JA SOLAR

JAM72S01 370-390/PR/1000V Series

MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	22.5kg±3%
Dimensions	1960mm×991mm×40mm
Cable Cross Section Size	4mm²
No. of cells	72(6x12)
Connector	PV-ZH202 PV-KBT4/6II(female),PV-KST4/6II(male) QC4.10 Helios H4 H4 UTX
Country of Manufacturer	China/Vietnam

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72S01-370/PR /1000V	JAM72S01-375/PR /1000V	JAM72S01-380/PR /1000V	JAM72S01-385/PR /1000V	JAM72S01-390/PR /1000V
Rated Maximum Power(Pmax) [W]	370	375	380	385	390
Open Circuit Voltage(Voc) [V]	48.18	48.45	48.71	48.98	49.28
Maximum Power Voltage(Vmp) [V]	39.45	39.75	40.03	40.29	40.61
Short Circuit Current(Isc) [A]	9.91	9.98	10.05	10.11	10.16
Maximum Power Current(Imp) [A]	9.38	9.44	9.50	9.56	9.61
Module Efficiency [%]	19.0	19.3	19.6	19.8	20.1
Power Tolerance	0~+5W				
Temperature Coefficient of Isc(α_Isc)	+0.060%/℃				
Temperature Coefficient of Voc(β_Voc)	-0.300%/℃				
Temperature Coefficient of Pmax(γ_Pmp)	-0.380%/℃				
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

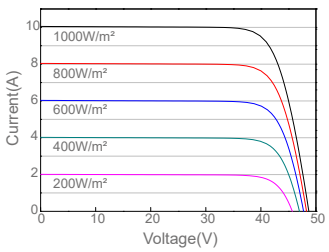
TYPE	JAM72S01-370/PR/1000V	JAM72S01-375/PR/1000V	JAM72S01-380/PR1000V	JAM72S01-385/PR/1000V	JAM72S01-390/PR/1000V
Rated Max Power(Pmax) [W]	272	276	279	283	287
Open Circuit Voltage(Voc) [V]	44.55	44.81	45.09	45.38	45.66
Max Power Voltage(Vmp) [V]	36.50	36.75	36.99	37.23	37.47
Short Circuit Current(Isc) [A]	7.86	7.91	7.96	8.01	8.06
Max Power Current(Imp) [A]	7.45	7.50	7.55	7.60	7.65
NOCT	Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s, AM1.5G				

OPERATING CONDITIONS

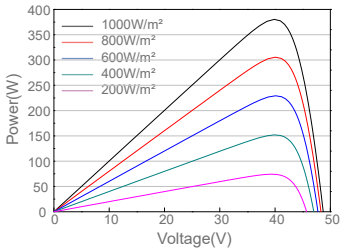
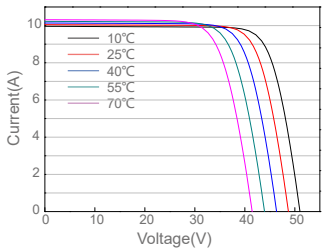
Maximum System Voltage	1000V DC(IEC)
Operating Temperature	-40℃~+85℃
Maximum Series Fuse	20A
Maximum Static Load,Front	3600Pa,1.5
Maximum Static Load,Back	1600Pa,1.5
NOCT	45±2℃
Application Class	Class A

CHARACTERISTICS

Current-Voltage Curve JAM72S01-380/PR/1000V



Power-Voltage Curve JAM72S01-380/PR/1000V



Current-Voltage Curve JAM72S01-380/PR/1000V