

Harvest the Sunshine

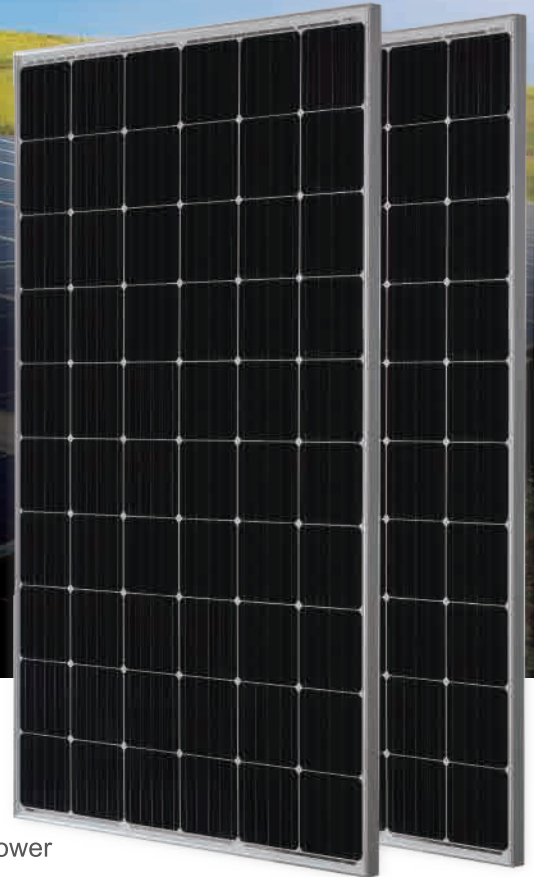


330W PERC Module

JAM60S09 310-330/PR 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



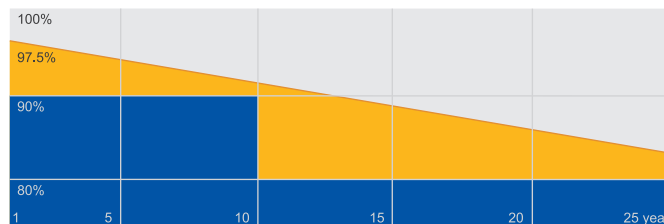
Excellent low-light performance



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
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



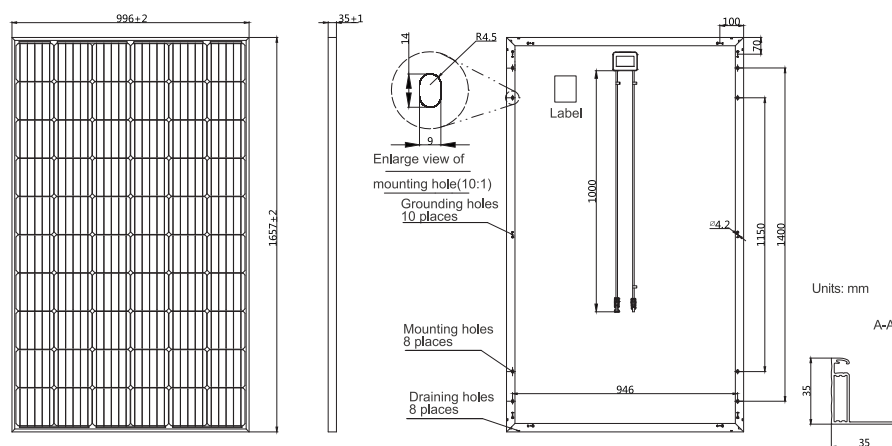
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Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.



MECHANICAL DIAGRAMS



SPECIFICATIONS

Cell	Mono
Weight	18.4kg±3%
Dimensions	1657±2mm×996±2mm×35±1mm
Cable Cross Section Size	4mm ²
No. of cells	60(6x10)
Junction Box	IP67, 3 diodes
Connector	QC 4.10(1000V) QC 4.10-35(1500V)
Packaging Configuration	31 Per Pallet

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60S09 -310/PR	JAM60S09 -315/PR	JAM60S09 -320/PR	JAM60S09 -325/PR	JAM60S09 -330/PR
Rated Maximum Power(P _{max}) [W]	310	315	320	325	330
Open Circuit Voltage(V _{oc}) [V]	40.30	40.53	40.78	41.04	41.30
Maximum Power Voltage(V _{mp}) [V]	32.60	32.89	33.17	33.44	33.75
Short Circuit Current(I _{sc}) [A]	10.04	10.11	10.18	10.25	10.32
Maximum Power Current(I _{mp}) [A]	9.51	9.58	9.65	9.72	9.78
Module Efficiency [%]	18.8	19.1	19.4	19.7	20.0
Power Tolerance	0~+5W				
Temperature Coefficient of I _{sc} (α _{Isc})	+0.060%/°C				
Temperature Coefficient of V _{oc} (β _{Voc})	-0.300%/°C				
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.370%/°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

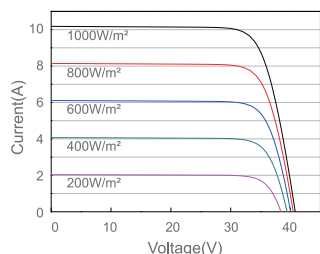
TYPE	JAM60S09 -310/PR	JAM60S09 -315/PR	JAM60S09 -320/PR	JAM60S09 -325/PR	JAM60S09 -330/PR
Rated Max Power(P _{max}) [W]	229	233	237	241	244
Open Circuit Voltage(V _{oc}) [V]	37.95	38.25	38.56	38.85	39.16
Max Power Voltage(V _{mp}) [V]	30.67	31.00	31.32	31.64	31.96
Short Circuit Current(I _{sc}) [A]	7.93	7.97	8.01	8.05	8.09
Max Power Current(I _{mp}) [A]	7.48	7.52	7.56	7.60	7.64
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G				

OPERATING CONDITIONS

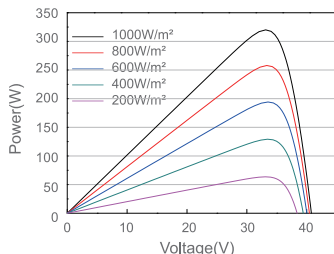
Maximum System Voltage	1000V/1500V DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load, Front	5400Pa
Maximum Static Load, Back	2400Pa
NOCT	45±2°C
Safety Class	Class II

CHARACTERISTICS

Current-Voltage Curve JAM60S09-320/PR



Power-Voltage Curve JAM60S09-320/PR



Current-Voltage Curve JAM60S09-320/PR

