

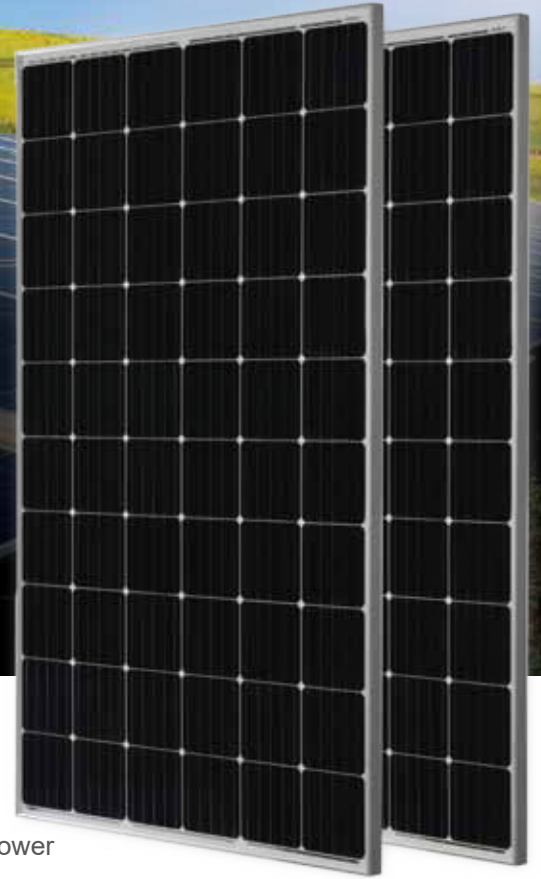


## 340W PERC Module

JAM60S09 320-340/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



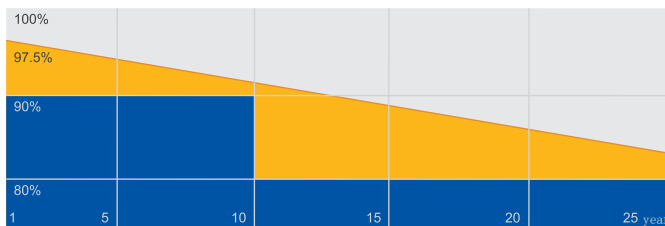
Excellent low-light performance



Lower temperature coefficient

### Superior Warranty

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



■ JA Linear Power Warranty ■ Industry Warranty

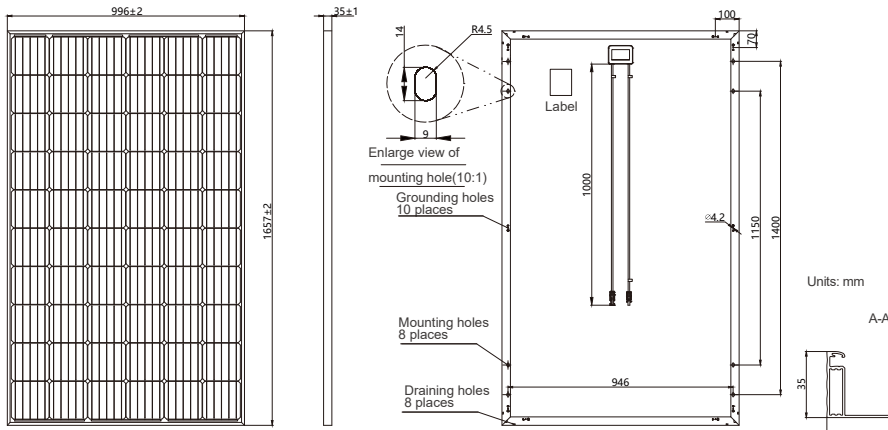
### Comprehensive Certificates

- 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



**MECHANICAL DIAGRAMS**

**SPECIFICATIONS**



Cell	Mono
Weight	18.4kg±3%
Dimensions	1657±2mm×996±2mm×35±1mm
Cable Cross Section Size	4mm <sup>2</sup>
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	JAM60S09 -320/PR/1000V	JAM60S09 -325/PR/1000V	JAM60S09 -330/PR/1000V	JAM60S09 -335/PR/1000V	JAM60S09 -340/PR/1000V
Rated Maximum Power(Pmax) [W]	320	325	330	335	340
Open Circuit Voltage(Voc) [V]	40.78	41.04	41.30	41.54	41.80
Maximum Power Voltage(Vmp) [V]	33.17	33.44	33.75	34.02	34.28
Short Circuit Current(Isc) [A]	10.18	10.25	10.32	10.39	10.46
Maximum Power Current(Imp) [A]	9.65	9.72	9.78	9.85	9.92
Module Efficiency [%]	19.4	19.7	20.0	20.3	20.6
Power Tolerance	0~+5W				
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.060%/°C				
Temperature Coefficient of Voc(β <sub>Voc</sub> )	-0.300%/°C				
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.370%/°C				
STC	Irradiance 1000W/m <sup>2</sup> , 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. Measurement tolerance at STC: Pmax ±3%, Voc ±2% and Isc ±4%.

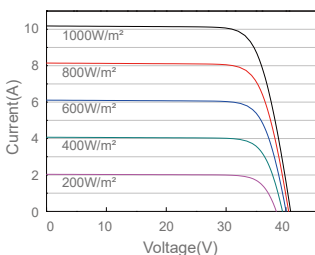
**ELECTRICAL PARAMETERS AT NOCT**

**OPERATING CONDITIONS**

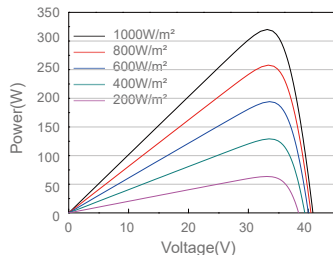
TYPE	JAM60S09 -320/PR/1000V	JAM60S09 -325/PR/1000V	JAM60S09 -330/PR/1000V	JAM60S09 -335/PR/1000V	JAM60S09 -340/PR/1000V	Operating Conditions
Rated Max Power(Pmax) [W]	237	241	244	248	252	Maximum System Voltage 1000V DC(IEC)
Open Circuit Voltage(Voc) [V]	38.56	38.85	39.16	39.46	39.75	Operating Temperature -40°C~+85°C
Max Power Voltage(Vmp) [V]	31.32	31.64	31.96	32.28	32.59	Maximum Series Fuse 20A
Short Circuit Current(Isc) [A]	8.01	8.05	8.09	8.14	8.19	Maximum Static Load,Front 3600Pa, 1.5
Max Power Current(Imp) [A]	7.56	7.60	7.64	7.68	7.72	Maximum Static Load,Back 1600Pa, 1.5
NOCT	Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, wind speed 1m/s, AM1.5G					NOCT 45±2°C
						Application Class Class A

**CHARACTERISTICS**

Current-Voltage Curve JAM60S09-320/PR/1000V



Power-Voltage Curve JAM60S09-320/PR/1000V



Current-Voltage Curve JAM60S09-320/PR/1000V

