

## 405W PERC Module

JAM72S09 385-405/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



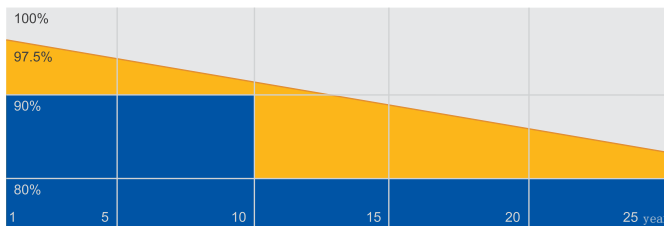
Excellent low-light performance



Lower temperature coefficient

### Superior Warranty

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



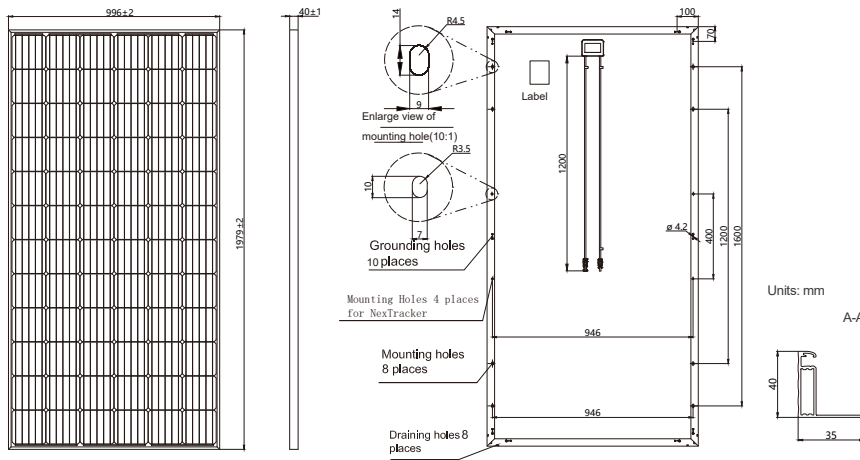
■ JA Linear Power Warranty ■ Industry Warranty

### 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	22.3kg±3%
Dimensions	1979±2mm×996±2mm×40±1mm
Cable Cross Section Size	4mm <sup>2</sup>
No. of cells	72(6x12)
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	JAM72S09 -385/PR/1000V	JAM72S09 -390/PR/1000V	JAM72S09 -395/PR/1000V	JAM72S09 -400/PR/1000V	JAM72S09 -405/PR/1000V
Rated Maximum Power(Pmax) [W]	385	390	395	400	405
Open Circuit Voltage(Voc) [V]	49.04	49.35	49.64	49.92	50.23
Maximum Power Voltage(Vmp) [V]	39.90	40.21	40.48	40.78	41.08
Short Circuit Current(Isc) [A]	10.17	10.22	10.27	10.33	10.38
Maximum Power Current(Imp) [A]	9.65	9.70	9.76	9.81	9.86
Module Efficiency [%]	19.5	19.8	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%.  
 \*For NexTracker installations static loading performance: front load measures 2400Pa, while back load measures 2400Pa.

ELECTRICAL PARAMETERS AT NOCT

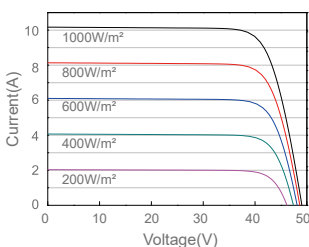
TYPE	JAM72S09 -385/PR/1000V	JAM72S09 -390/PR/1000V	JAM72S09 -395/PR/1000V	JAM72S09 -400/PR/1000V	JAM72S09 -405/PR/1000V
Rated Max Power(Pmax) [W]	285	289	292	296	300
Open Circuit Voltage(Voc) [V]	46.47	46.78	47.09	47.39	47.68
Max Power Voltage(Vmp) [V]	37.64	37.92	38.21	38.49	38.72
Short Circuit Current(Isc) [A]	8.03	8.07	8.11	8.15	8.19
Max Power Current(Imp) [A]	7.57	7.61	7.65	7.69	7.74
NOCT	Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, wind speed 1m/s, AM1.5G				

OPERATING CONDITIONS

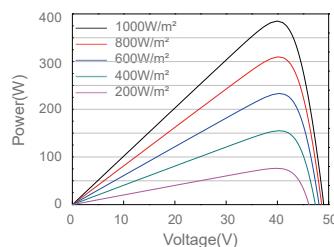
Maximum System Voltage	1000V DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load,Front*	3600Pa, 1.5
Maximum Static Load,Back*	1600Pa, 1.5
NOCT	45±2°C
Application Class	Class A

CHARACTERISTICS

Current-Voltage Curve JAM72S09-385/PR/1000V



Power-Voltage Curve JAM72S09-385/PR/1000V



Current-Voltage Curve JAM72S09-385/PR/1000V

