

Mono

390W Bifacial Mono PERC Double Glass Module

JAM72D09 370-390/BP Series

Introduction

JA bifacial modules are assembled by high-performance PERCUM cells and encapsulated by glass-glass panels, are capable of converting energy from incident lights on front and diffuse light, as well as reflected and scattered light on rear sides, which make them better reliability, superior low irradiance performance, and excellent energy generation performance.



3%~15% more
energy generation



Superior low
irradiance performance



Excellent temperature
dependent performance

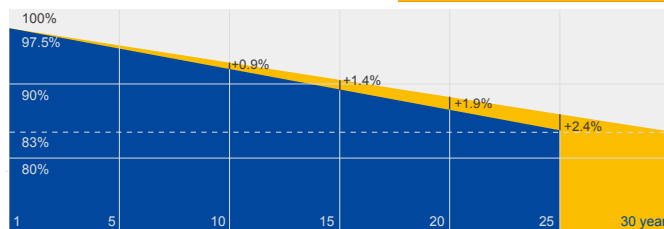


Lower LCOE

Superior Warranty

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

0.5% Annual Degradation
Over 30 years



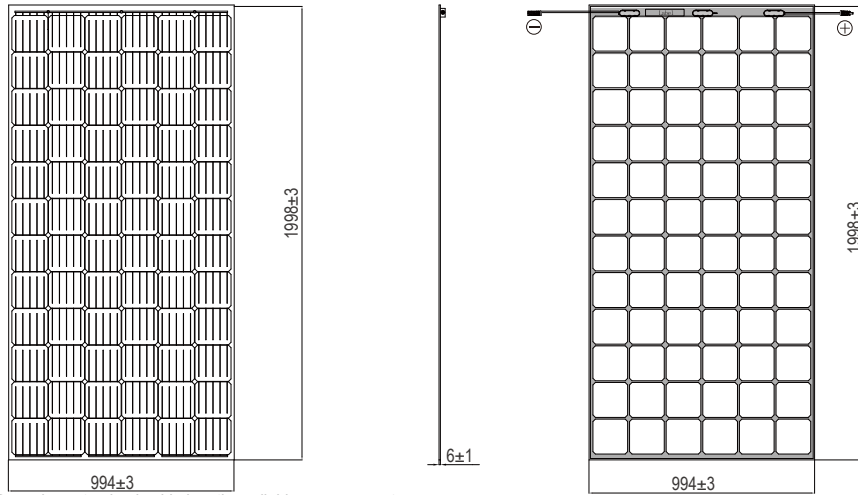
■ Additional Value From 30-Year Warranty ■ JA Standard

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



MECHANICAL DIAGRAMS



SPECIFICATIONS

Cell	Mono
Weight	28.5kg±3%
Dimensions	1998±3mm×994±3mm×6±1mm (1998mm×994mm×25mm with junction box)
Cable Cross Section Size	4mm ²
No. of cells	72(6×12)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-35
Cable Length (Including Connector)	Portrait:300mm(+)/400mm(-); Landscape:1200mm(+)/1200mm(-)
Packaging Configuration	28 Per Pallet

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D09 -370/BP	JAM72D09 -375/BP	JAM72D09 -380/BP	JAM72D09 -385/BP	JAM72D09 -390/BP
Rated Maximum Power(P _{max}) [W]	370	375	380	385	390
Open Circuit Voltage(V _{oc}) [V]	48.20	48.51	48.81	49.11	49.42
Maximum Power Voltage(V _{mp}) [V]	39.41	39.73	40.02	40.33	40.63
Short Circuit Current(I _{sc}) [A]	9.91	9.97	10.03	10.09	10.14
Maximum Power Current(I _{mp}) [A]	9.39	9.44	9.50	9.55	9.60
Module Efficiency [%]	18.6	18.9	19.1	19.4	19.6
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.
The efficiency of the bifacial PERC glass-glass modules at 200W/m² to that at 1000W/m² is 98%.

*Bifaciality=P_{max, rear}/Rated P_{max, front}

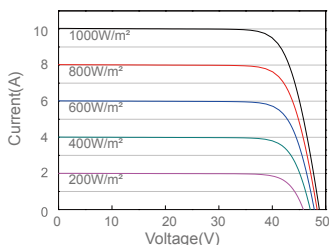
ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN(REFERENCE TO 385W FRONT)

Backside Power Gain	5%	10%	15%	20%	25%	Maximum System Voltage	1500V DC(IEC)
Rated Max Power(P _{max}) [W]	404	424	443	462	481	Operating Temperature	-40°C~+85°C
Open Circuit Voltage(V _{oc}) [V]	49.11	49.11	49.11	49.21	49.21	Maximum Series Fuse	20A
Max Power Voltage(V _{mp}) [V]	40.33	40.33	40.33	40.43	40.43	Maximum Static Load, Front Maximum Static Load, Back	2400Pa 2400Pa
Short Circuit Current(I _{sc}) [A]	10.59	11.10	11.60	12.11	12.61	NOCT	45±2°C
Max Power Current(I _{mp}) [A]	10.02	10.51	10.98	11.43	11.90	Bifaciality*	70%±5%

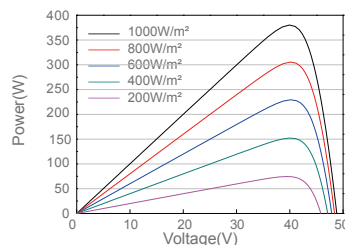
OPERATING CONDITIONS

CHARACTERISTICS

Current-Voltage Curve JAM72D09-380/BP



Power-Voltage Curve JAM72D09-380/BP



Current-Voltage Curve JAM72D09-380/BP

