

## 390W Bifacial Mono PERC Double Glass Module Frame Type 양면발전 모듈 JAM72D09 370-390/BP Series

Mono

### Introduction

JA SOLAR 양면발전 모듈은 고효율 PERC 양면발전 셀 기술과 더블 글라스 구조로 제작 되었습니다. 모듈의 전면에서 태양광을 흡수할 수 있을 뿐만 아니라 후면에서도 반사 및 산란되는 태양광을 흡수하여 추가 발전이 가능하며 내구성에 있어 더욱 신뢰할 수 있는 제품입니다.



전면부 대비 최대  
15% 추가 발전



프레임 구조로 운송과  
설치작업의 효율성 증가



저조도에서의 우수한  
발전 성능

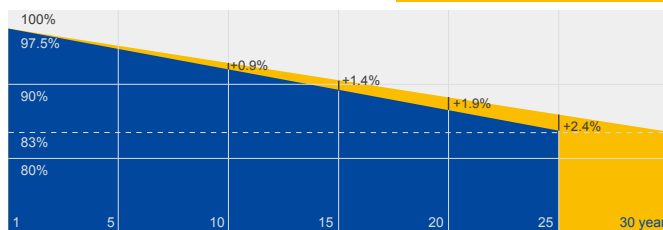


우수한 온도계수

### Superior Warranty

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

0.5% Annual Degradation  
Over 30 years



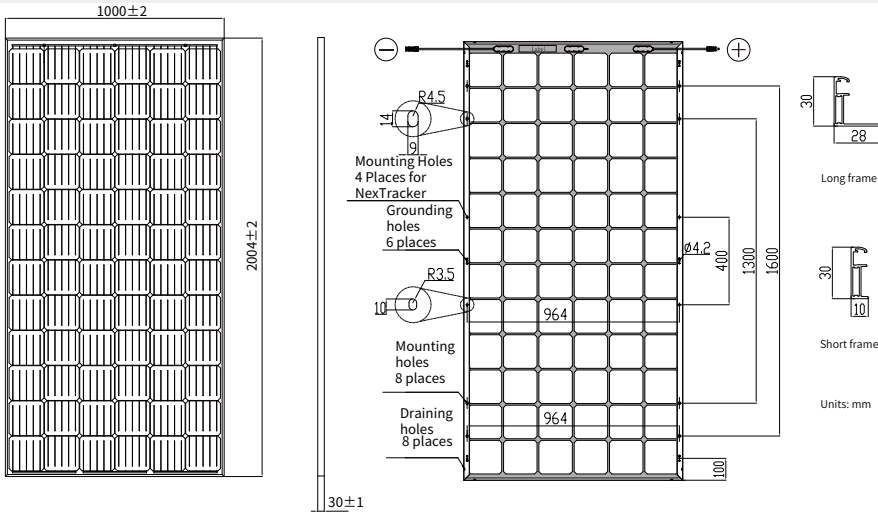
■ Additional Value From 30-Year Warranty ■ JA Standard

### 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



Remark: customized frame color and cable length available upon request

물리적 특성

Cell	Mono
Weight	29.8kg±3%
Dimensions	2004±2mm×1000±2mm×30±1mm
Cable Cross Section Size	4mm <sup>2</sup>
No. of cells	72(6x12)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-35
Cable Length (Including Connector)	Portrait:300mm(+)/400mm(-); Landscape:1200mm(+)/1200mm(-)
Packaging Configuration	34 Per Pallet

전기적 특성

TYPE	JAM72D09-370/BP	JAM72D09-375/BP	JAM72D09-380/BP	JAM72D09-385/BP	JAM72D09-390/BP
최대출력 (Pmax) [W]	370	375	380	385	390
개방전압 (Voc) [V]	48.20	48.51	48.81	49.11	49.42
최대동작전압 (Vmp) [V]	39.41	39.73	40.02	40.33	40.63
단락전류 (Isc) [A]	9.91	9.97	10.03	10.09	10.14
최대동작전류 (Imp) [A]	9.39	9.44	9.50	9.55	9.60
모듈 효율 [%]	18.5	18.7	19.0	19.2	19.5
출력 허용 범위 [W]	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.

The efficiency of the bifacial PERC glass-glass modules at 200W/m<sup>2</sup> to that at 1000W/m<sup>2</sup> is 98%.

\*Bifaciality=Pmax,rear/Rated Pmax,front

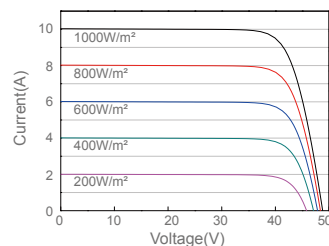
ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN(REFERENCE TO 385W FRONT)

Backside Power Gain	5%	10%	15%	20%	25%	Maximum System Voltage	1500V DC(IEC)
Rated Max Power(Pmax) [W]	404	424	443	462	481	Operating Temperature	-40°C~+85°C
Open Circuit Voltage(Voc) [V]	49.11	49.11	49.11	49.21	49.21	Maximum Series Fuse	20A
Max Power Voltage(Vmp) [V]	40.33	40.33	40.33	40.43	40.43	Maximum Static Load, Front*	5400Pa
Short Circuit Current(Isc) [A]	10.59	11.10	11.60	12.11	12.61	Maximum Static Load, Back*	2400Pa
Max Power Current(Imp) [A]	10.02	10.51	10.98	11.43	11.90	NOCT	45±2°C
						Bifaciality*	70%±5%

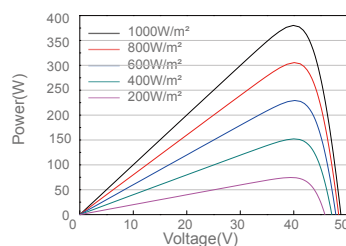
\*For NexTracker installations static loading performance: front load measure 2400Pa, while back load measures 2400Pa.

CHARACTERISTICS

Current-Voltage Curve JAM72D09-380/BP



Power-Voltage Curve JAM72D09-380/BP



Current-Voltage Curve JAM72D09-380/BP

