

# Harvest the Sunshine

# JA SOLAR

# 595W



## JAM66D42 MB n-type Double Glass Bifacial Modules

### Premium Cells

n-  
Bycium+  
16BB

MBB Half-Cell  
Technology

# 26%



Cell Conversion  
Efficiency

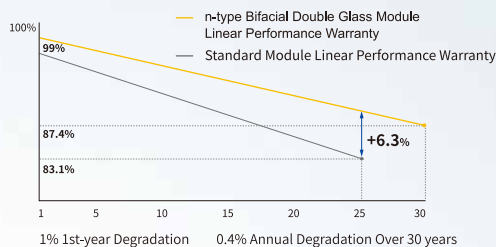
### Premium Modules

Higher power  
generation better LCOE

n-type with very  
Lower LID

Better Temperature  
Coefficient

Better low irradiance  
response



12-year product  
warranty

30-year linear power  
output warranty

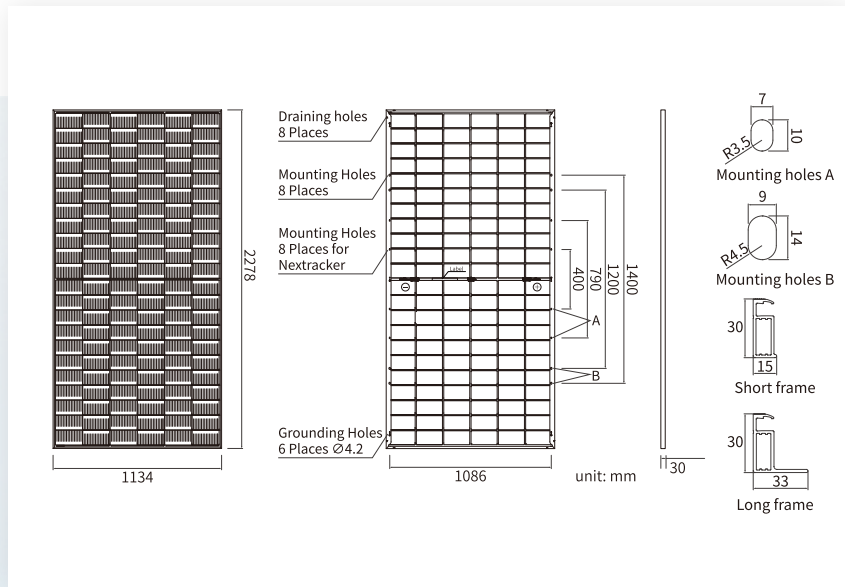
### Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



# JAM66D42 MB

n-type Double Glass Bifacial Modules



## MECHANICAL PARAMETERS

Cell	Mono
Weight	31.8kg
Dimensions	2278×1134mm×30mm
Cable Cross Section Size	4mm <sup>2</sup> (IEC), 12 AWG(UL)
No. of cells	132(6×22)
Junction Box	IP68, 3diodes
Connector	QC Solar QC4.10-351/QC4.10-35 Stäubli PV-KST4-EVO2A/xy ,PV-KBT4-EVO2A/xy
Cable Length (including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1300mm(+)/1300mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

## ELECTRICAL PARAMETERS AT STC and BNPI

TYPE	JAM66D42		JAM66D42		JAM66D42		JAM66D42		JAM66D42		JAM66D42	
	-570/MB		-575/MB		-580/MB		-585/MB		-590/MB		-595/MB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(Pmax) [W]	570	625	575	630	580	640	585	645	590	650	595	655
Open Circuit Voltage (Voc) [V]	47.78	47.78	47.98	47.98	48.18	48.18	48.38	48.38	48.58	48.58	48.78	48.78
Maximum Power Voltage(Vmp) [V]	40.00	40.00	40.21	40.21	40.42	40.42	40.63	40.63	40.84	40.84	41.03	41.03
Short Circuit Current(Isc) [A]	15.11	16.57	15.16	16.62	15.21	16.78	15.26	16.83	15.31	16.87	15.36	16.91
Maximum Power Current(Imp) [A]	14.25	15.63	14.30	15.67	14.35	15.84	14.40	15.88	14.45	15.92	14.50	15.97
Module Efficiency [%]	22.1		22.3		22.5		22.6		22.8		23.0	
Short Circuit Current (Isc) [A] at BSI	18.56		18.59		18.63		18.78		18.81		18.85	
Power Tolerance	0~+3%											
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.045%/°C											
Temperature Coefficient of Voc (β <sub>Voc</sub> )	-0.250%/°C											
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.290%/°C											
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G											
BNPI	front Irradiance 1000W/m <sup>2</sup> , rear Irradiance 135W/m <sup>2</sup>											
BSI	front Irradiance 1000W/m <sup>2</sup> , rear Irradiance 300W/m <sup>2</sup>											

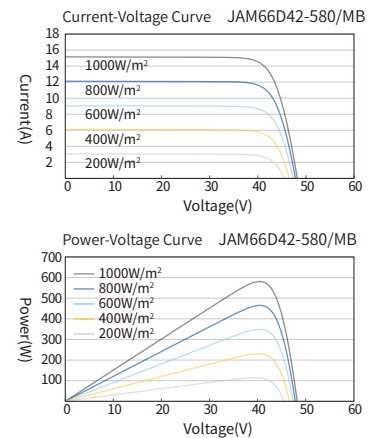
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.  
Measurement tolerance at STC and BNPI: Pmax ±3%, Voc ±3% and Isc ±5%.

## ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains

TYPE	JAM66D42	JAM66D42	JAM66D42	JAM66D42	JAM66D42	JAM66D42
	-570/MB	-575/MB	-580/MB	-585/MB	-590/MB	-595/MB
Rated Max Power(Pmax) [W]	627.0	632.5	638.0	643.5	649.0	654.5
Open Circuit Voltage(Voc) [V]	47.78	47.98	48.18	48.38	48.58	48.78
Max Power Voltage(Vmp) [V]	40.00	40.21	40.42	40.63	40.84	41.03
Short Circuit Current(Isc) [A]	16.62	16.68	16.73	16.79	16.84	16.90
Max Power Current(Imp) [A]	15.68	15.73	15.79	15.84	15.90	15.95

\* For Nexttracker installations, maximum static load please take compatibility approve letter between JA Solar and Nexttracker for reference.

## CHARACTERISTICS



## OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front*	3600Pa, 1.5
Maximum Static Load, Back*	1600Pa, 1.5
NOCT	45±2°C
Bifaciality	φPmax (80±10)%, φVoc (98±5)%, φIsc (80±10)%
Safety Class	Class II
Fire Safety Class	Class C

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

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Headquarters

JA Solar Technology Co., Ltd.  
No. 123 Xinxing Road, 055550 Ningjin County, Hebei Province,  
PEOPLE'S REPUBLIC OF CHINA