

# Harvest the Sunshine

# JA SOLAR

# 595W



## JAM66D42 MB n-type Double Glass Bifacial Modules

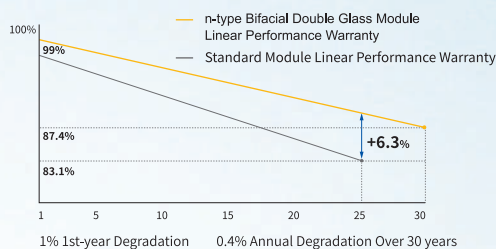
### Premium Cells

**n-  
Bycium+  
16BB**

MBB Half-Cell  
Technology

### Premium Modules

- Higher power generation better LCOE
- LID n-type with very Lower LID
- Better Temperature Coefficient
- Better low irradiance response

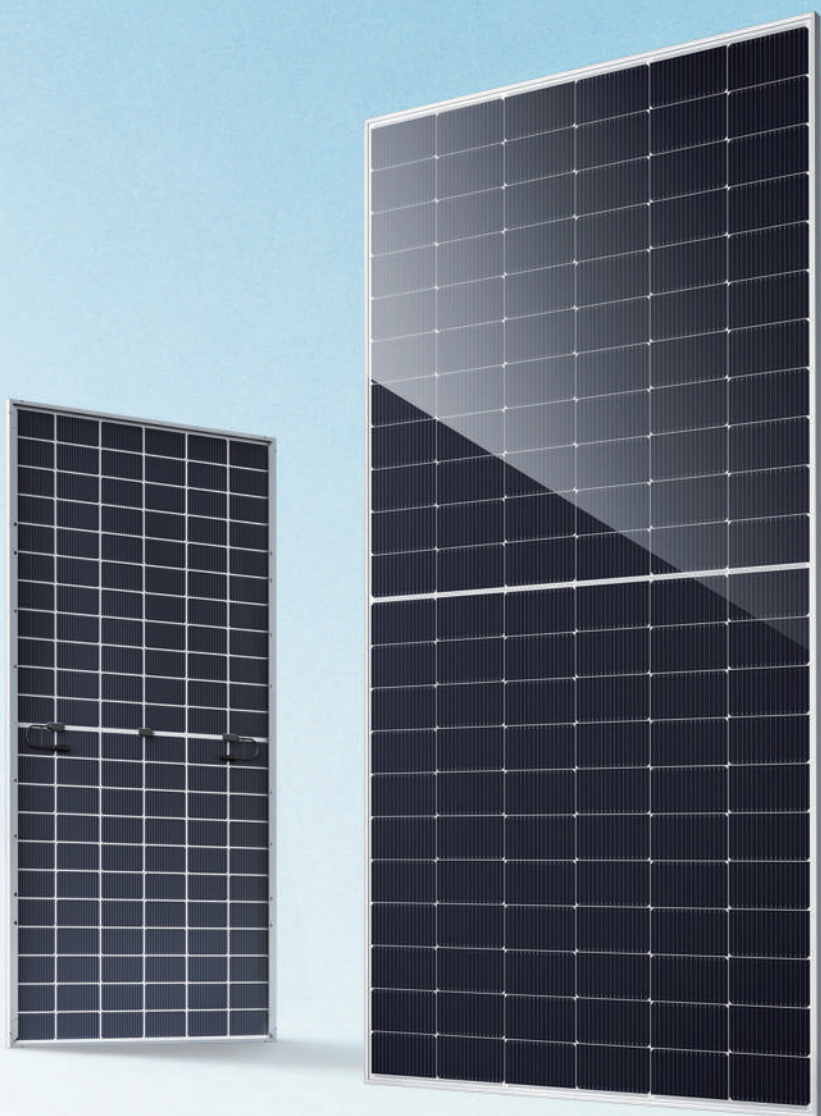


12-year product warranty

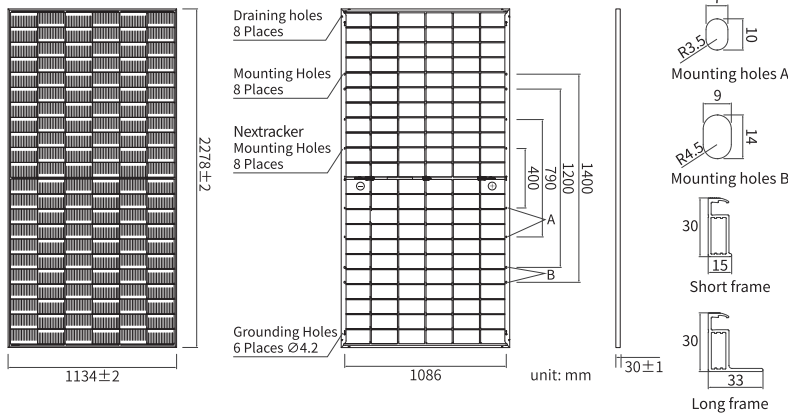
30-year linear power output warranty

### 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



**DEEP BLUE 4.0** Pro



### MECHANICAL PARAMETERS

Cell	Mono
Weight	31.8kg
Dimensions	2278±2mm × 1134±2mm × 30±1mm
Cable Cross Section Size	4mm <sup>2</sup> (IEC), 12 AWG(UL)
No. of cells	132(6×22)
Junction Box	IP68, 3个 diodes
Connector	Stäubli MC4-EVO2A/MC4-EVO2 QC Solar QC 4.10-351/QC 4.10-35
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1300mm(+)/1300mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

### ELECTRICAL PARAMETERS AT STC

TYPE	JAM66D42 570/MB		JAM66D42 575/MB		JAM66D42 580/MB		JAM66D42 585/MB		JAM66D42 590/MB		JAM66D42 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> )	+0.046%/°C											
Temperature Coefficient of Voc (β <sub>Voc</sub> )	-0.260%/°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											

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%.

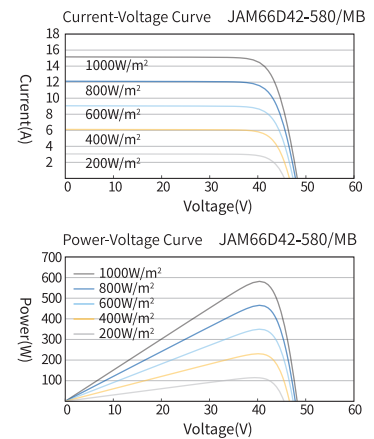
### ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM66D42 570/MB	JAM66D42 575/MB	JAM66D42 580/MB	JAM66D42 585/MB	JAM66D42 590/MB	JAM66D42 595/MB
	Rated Max Power(Pmax) [W]	616	621	626	632	637
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]	16.32	16.37	16.43	16.48	16.53	16.59
Max Power Current(Imp) [A]	15.39	15.44	15.50	15.55	15.61	15.66
Irradiation Ratio (rear/front)	10%					

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

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

### 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**	80%±10%
Fire Safety Class	Class C