

Harvest the Sunshine

600W

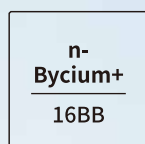


JA SOLAR

JAM66D42 MB

n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell Technology

26%



Cell Conversion Efficiency

Premium Modules



Higher power generation better LCOE



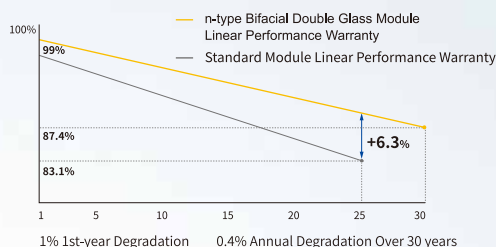
n-type with very Lower LID



Better Temperature Coefficient



Better low irradiance response



12-year product warranty



30-year linear power output warranty

*Remark: The performance warranty applies at STC condition.

Comprehensive Certificates

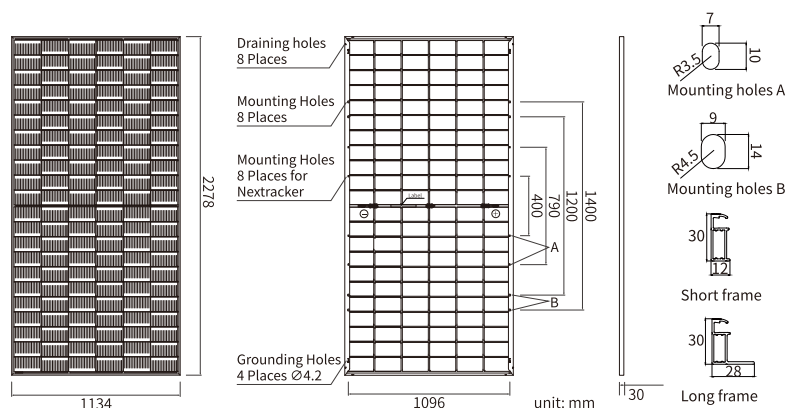
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

JAM66D42 MB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	31.8kg
Dimensions	2278mm×1134mm×30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	132(6×22)
Junction Box	IP68, 3diodes
Connector	Stäubli PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy QC Solar QC4.10-351/ QC4.10-35
Cable Length (Including Connector)	Portrait: 400mm(+)/200mm(-) 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 -580/MB STC BNPI	JAM66D42 -585/MB STC BNPI	JAM66D42 -590/MB STC BNPI	JAM66D42 -595/MB STC BNPI	JAM66D42 -600/MB STC BNPI
Rated Maximum Power(Pmax) [W]	580 640	585 645	590 650	595 655	600 662
Open Circuit Voltage (Voc) [V]	48.18 48.18	48.38 48.38	48.58 48.58	48.78 48.78	48.98 48.98
Maximum Power Voltage(Vmp) [V]	40.42 40.42	40.63 40.63	40.84 40.84	41.03 41.03	41.24 41.24
Short Circuit Current(Isc) [A]	15.21 16.78	15.26 16.83	15.31 16.87	15.36 16.91	15.41 17.01
Maximum Power Current(Imp) [A]	14.35 15.84	14.40 15.88	14.45 15.92	14.50 15.97	14.55 16.06
Module Efficiency [%]	22.5	22.6	22.8	23.0	23.2
Short Circuit Current (Isc) [A] at BSI	18.63	18.78	18.81	18.85	18.97
Power Tolerance	0~+3%				
Temperature Coefficient of Isc(α_Isc)	+0.045%/°C				
Temperature Coefficient of Voc (β_Voc)	-0.250%/°C				
Temperature Coefficient of Pmax(γ_Pmp)	-0.290%/°C				
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G				
BNPI	Front Irradiance 1000W/m ² , rear Irradiance 135W/m ²				
BSI	Front Irradiance 1000W/m ² , rear Irradiance 300W/m ²				

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.

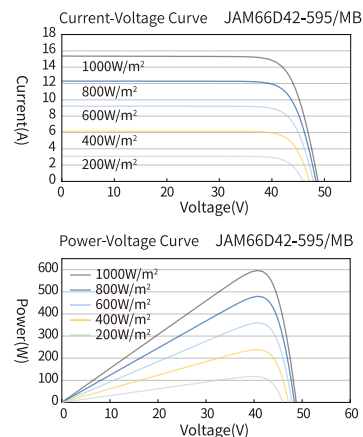
Measurement tolerance at STC and BNPI: Pmax±3%, Voc±3%, Isc±5% and the tolerance of Isc at BSI: ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains and Low Irradiance Of 200W/m²

TYPE	JAM66D42 -580/MB 10% 200W/m ²	JAM66D42 -585/MB 10% 200W/m ²	JAM66D42 -590/MB 10% 200W/m ²	JAM66D42 -595/MB 10% 200W/m ²	JAM66D42 -600/MB 10% 200W/m ²
Rated Max Power(Pmax) [W]	638 112.62	644 113.90	649 114.62	655 115.53	660 116.52
Open Circuit Voltage(Voc) [V]	48.18 45.34	48.38 45.54	48.58 45.70	48.78 45.90	48.98 46.09
Max Power Voltage(Vmp) [V]	40.42 39.23	40.63 39.41	40.84 39.55	41.03 39.73	41.24 39.90
Short Circuit Current(Isc) [A]	16.73 3.04	16.79 3.05	16.84 3.06	16.90 3.07	16.95 3.08
Max Power Current(Imp) [A]	15.79 2.87	15.84 2.89	15.90 2.90	15.95 2.91	16.01 2.92
Irradiation Ratio (rear/front)	10%				
Low Irradiance	(200±2) W/m ² , module at (25±2) °C				

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

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+70°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±5)%,φVoc(98±5)%,φIsc (80±5)%
Safety Class	Class II
Fire Performance	Class C

*PV module 98th percentile operating temperature : 70°C



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Specifications subject to technical changes and tests.
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Version No. : Aus-EN-20250729A