Harvest the Sunshine

605W

JA SOLAR

JAM72D40 MB

Black Frame
n-type Double Glass Bifacial Modules

Premium Cells

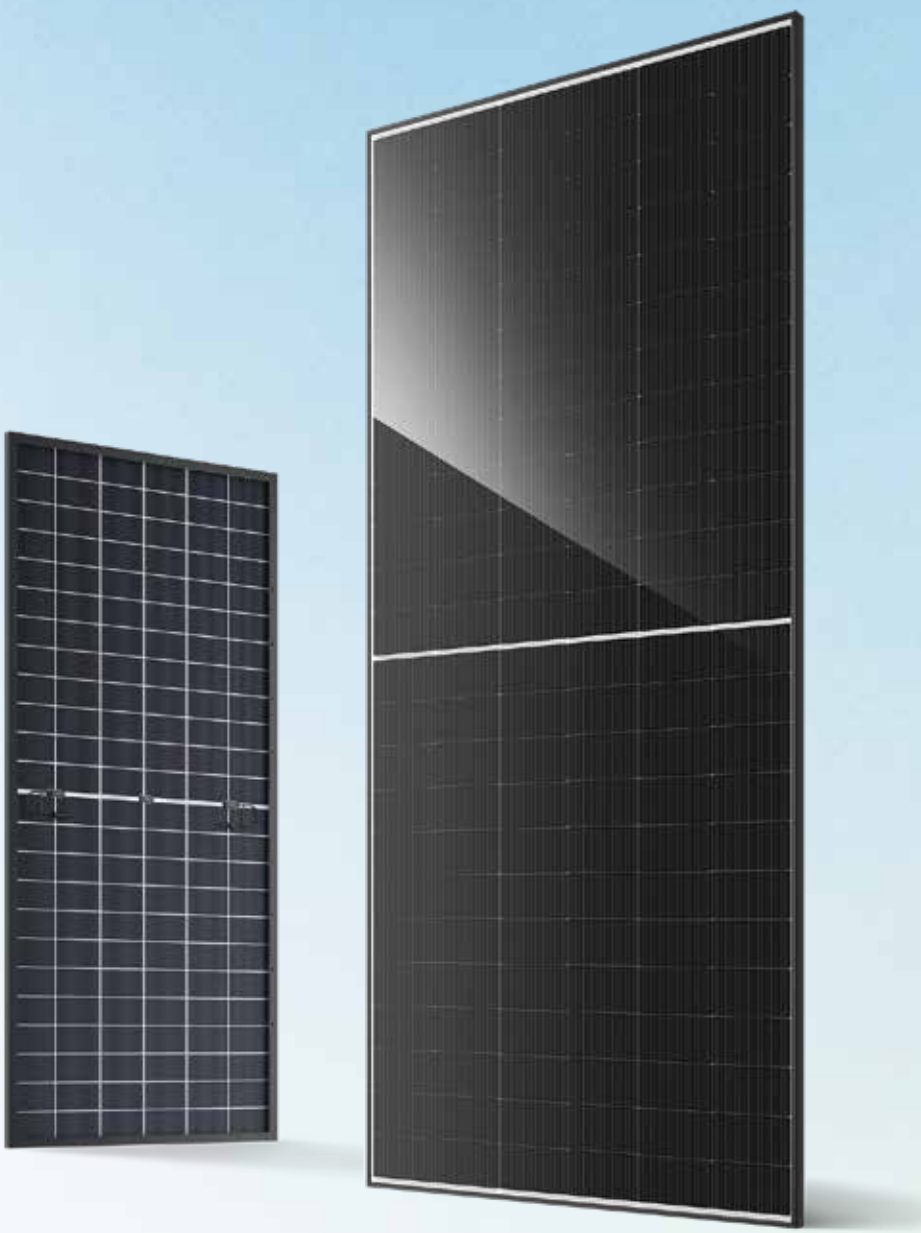
n-Bycium+ 16BB

MBB Half-Cell Technology

26%

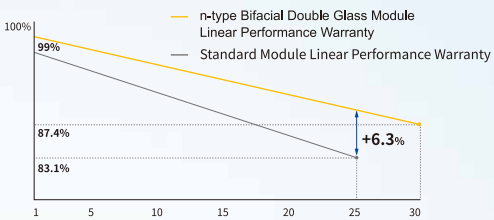
Up To

Cell Conversion Efficiency



Premium Modules

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



1% 1st-year Degradation

0.4% Annual Degradation Over 30 years

12 12-year product warranty

30 30-year linear power output warranty

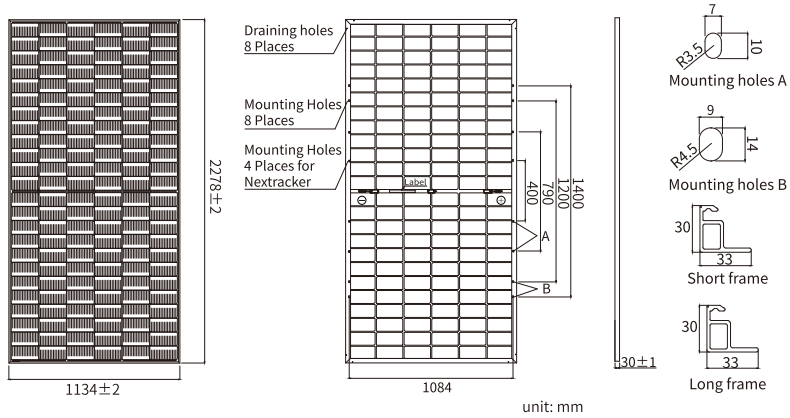
Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 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 | OCEANBLUE

JAM72D40 MB n-type Double Glass Bifacial Modules

DEEP BLUE 4.0 Pro | OCEANBLUE



MECHANICAL PARAMETERS

Cell	Mono
Weight	32.2kg
Dimensions	2278±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+) /400mm(-) Landscape: 1300mm(+)/1300mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Frame	Polyurethane Frame
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container

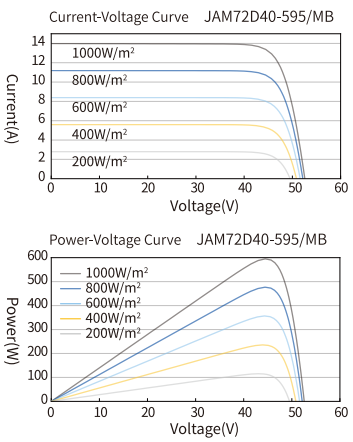
Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D40 -580/MB	JAM72D40 -585/MB	JAM72D40 -590/MB	JAM72D40 -595/MB	JAM72D40 -600/MB	JAM72D40 -605/MB
Rated Maximum Power(Pmax) [W]	580	585	590	595	600	605
Open Circuit Voltage (Voc) [V]	51.95	52.16	52.37	52.58	52.79	53.00
Maximum Power Voltage(Vmp) [V]	44.02	44.22	44.43	44.64	44.85	45.05
Short Circuit Current(Isc) [A]	13.84	13.89	13.94	13.99	14.04	14.09
Maximum Power Current(Imp) [A]	13.17	13.23	13.28	13.33	13.38	13.43
Module Efficiency [%]	22.5	22.6	22.8	23.0	23.2	23.4
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/m², 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.

CHARACTERISTICS



ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D40 -580/MB	JAM72D40 -585/MB	JAM72D40 -590/MB	JAM72D40 -595/MB	JAM72D40 -600/MB	JAM72D40 -605/MB
Rated Max Power(Pmax) [W]	626	632	637	643	648	653
Open Circuit Voltage(Voc) [V]	51.95	52.16	52.37	52.58	52.79	53.00
Max Power Voltage(Vmp) [V]	44.02	44.22	44.43	44.64	44.85	45.05
Short Circuit Current(Isc) [A]	14.95	15.00	15.06	15.11	15.16	15.22
Max Power Current(Imp) [A]	14.23	14.29	14.34	14.40	14.45	14.50
Irradiation Ratio (rear/front)	10%					

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

OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front*	5400Pa(112 lb/ft²)
Maximum Static Load, Back*	2400Pa(50 lb/ft²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

JA SOLAR

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

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