

Harvest the Sunshine

595W

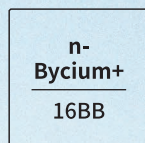


JA SOLAR

JAM72D40 MB

n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



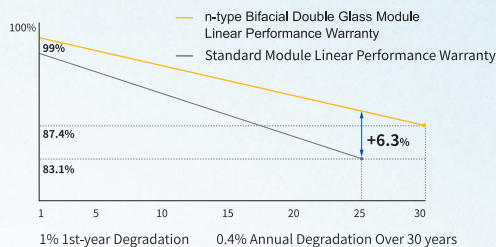
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



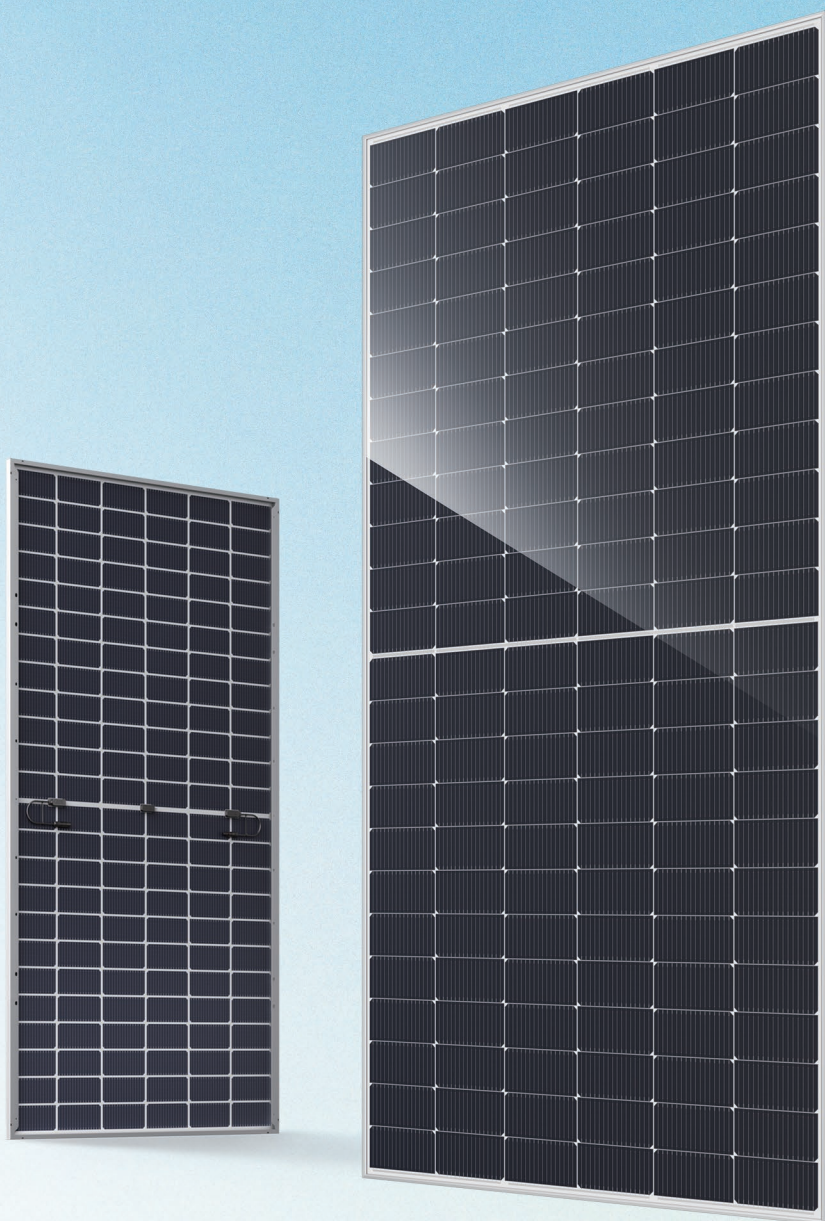
12-year product
warranty



30-year linear power
output warranty

Comprehensive Certificates

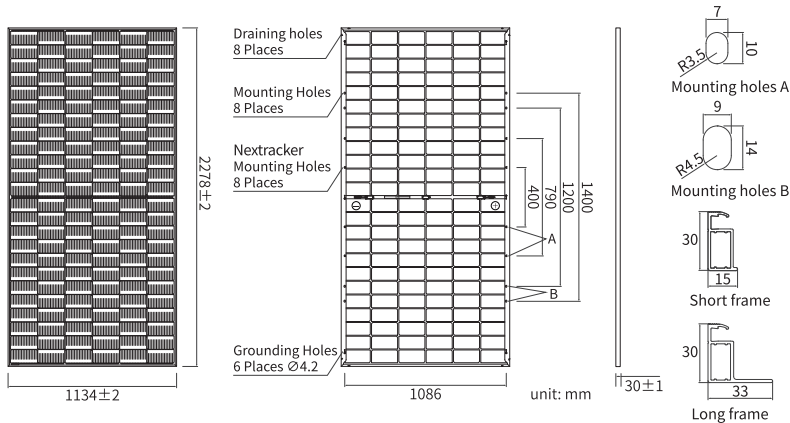
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0

JAM72D40 MB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	31.8kg
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
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D40 570/MB	JAM72D40 575/MB	JAM72D40 580/MB	JAM72D40 585/MB	JAM72D40 590/MB	JAM72D40 595/MB
Rated Maximum Power(P _{max}) [W]	570	575	580	585	590	595
Open Circuit Voltage (V _{oc}) [V]	51.52	51.73	51.95	52.16	52.37	52.58
Maximum Power Voltage(V _{mp}) [V]	43.62	43.82	44.02	44.22	44.43	44.64
Short Circuit Current(I _{sc}) [A]	13.74	13.79	13.84	13.89	13.94	13.99
Maximum Power Current(I _{mp}) [A]	13.07	13.12	13.17	13.23	13.28	13.33
Module Efficiency [%]	21.1	22.3	22.5	22.6	22.8	23.0
Power Tolerance	0~+3%					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.046%/°C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.260%/°C					
Temperature Coefficient of P _{max} (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.

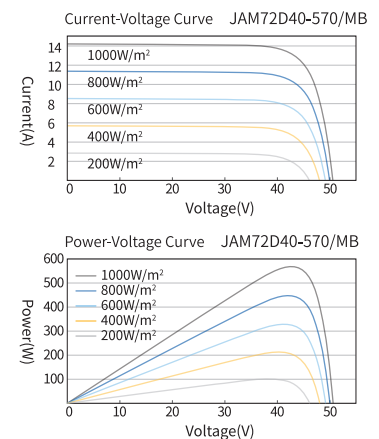
ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D40 570/MB	JAM72D40 575/MB	JAM72D40 580/MB	JAM72D40 585/MB	JAM72D40 590/MB	JAM72D40 595/MB
Rated Max Power(P _{max}) [W]	616	621	626	632	637	643
Open Circuit Voltage(V _{oc}) [V]	51.52	51.73	51.95	52.16	52.37	52.58
Max Power Voltage(V _{mp}) [V]	43.62	43.82	44.02	44.22	44.43	44.64
Short Circuit Current(I _{sc}) [A]	14.84	14.89	14.95	15.00	15.06	15.11
Max Power Current(I _{mp}) [A]	14.11	14.17	14.23	14.29	14.34	14.40
Irradiation Ratio (rear/front)	10%					

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

** Bifaciality=P_{max}, rear/Rated P_{max}, front

CHARACTERISTICS



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%±10%
Fire Performance	UL Type 29



Headquarters

No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road,
Fengtai District, Beijing
Tel: +86 10 6361 1888 Fax: +86 10 6361 9999
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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