

Harvest the Sunshine

JA SOLAR

595W



JAM72D40 MB n-type Double Glass Bifacial Modules

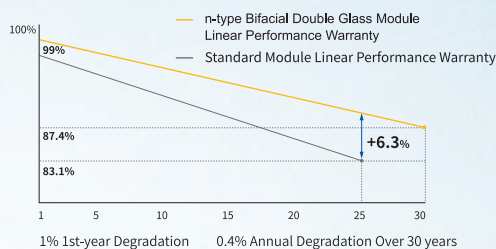
Premium Cells

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

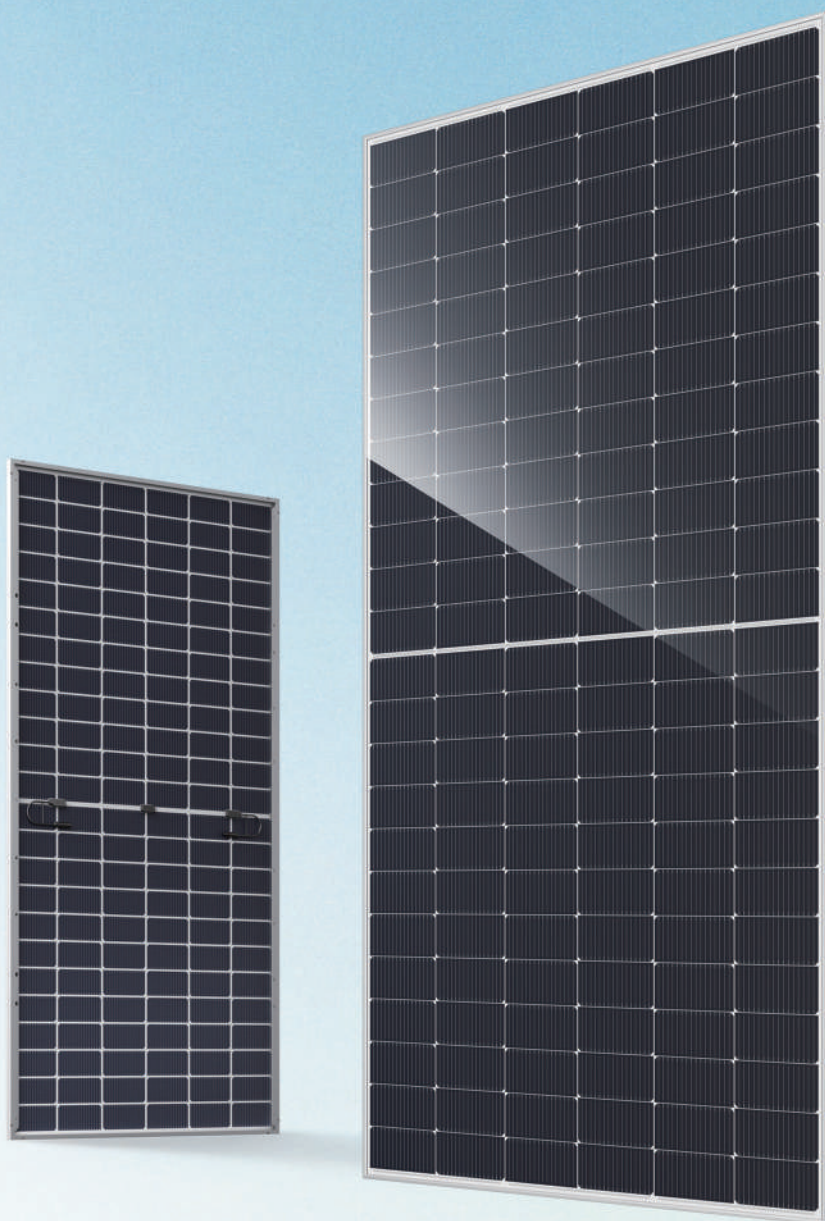


12-year product warranty

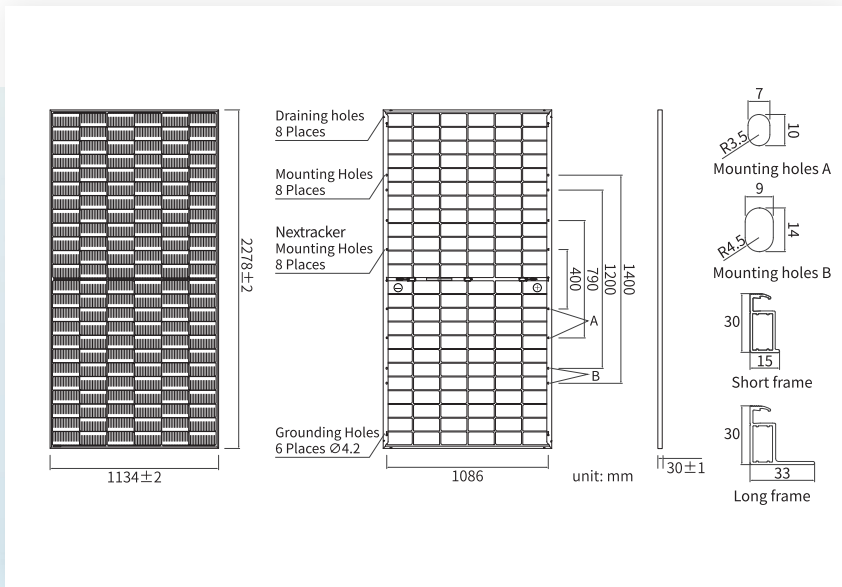
30-year linear power output warranty

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



MECHANICAL PARAMETERS

Cell	Mono
Weight	31.8kg
Dimensions	2278±2mm × 1134±2mm × 30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3diodes
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	JAM72D40 570/MB		JAM72D40 575/MB		JAM72D40 580/MB		JAM72D40 585/MB		JAM72D40 590/MB		JAM72D40 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]	51.52	51.52	51.73	51.73	51.95	51.95	52.16	52.16	52.37	52.37	52.58	52.58
Maximum Power Voltage(Vmp) [V]	43.62	43.62	43.82	43.82	44.02	44.02	44.22	44.22	44.43	44.43	44.64	44.64
Short Circuit Current(Isc) [A]	13.74	15.07	13.79	15.11	13.84	15.27	13.89	15.32	13.94	15.36	13.99	15.40
Maximum Power Current(Imp) [A]	13.07	14.33	13.12	14.38	13.17	14.54	13.23	14.59	13.28	14.63	13.33	14.68
Module Efficiency [%]	22.1		22.3		22.5		22.6		22.8		23.0	
Short Circuit Current(Isc)[A] at BSI	16.88		16.91		16.95		17.10		17.13		17.16	
Power Tolerance	0~+3%											
Temperature Coefficient of Isc(α _{Isc})	+0.046%/°C											
Temperature Coefficient of Voc (β _{Voc})	-0.260%/°C											
Temperature Coefficient of Pmax(γ _{Pmp})	-0.290%/°C											
STC	Irradiance 1000W/m ² , 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%.

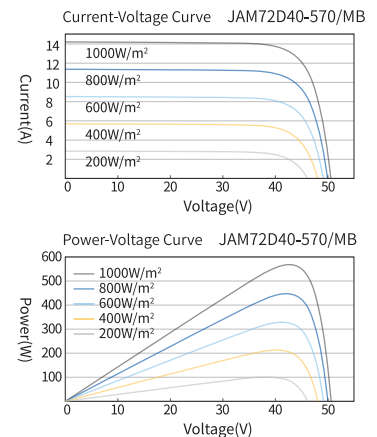
ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D40 570/MB	JAM72D40 575/MB	JAM72D40 580/MB	JAM72D40 585/MB	JAM72D40 590/MB	JAM72D40 595/MB
	Rated Max Power(Pmax) [W]	616	621	626	632	637
Open Circuit Voltage(Voc) [V]	51.52	51.73	51.95	52.16	52.37	52.58
Max Power Voltage(Vmp) [V]	43.62	43.82	44.02	44.22	44.43	44.64
Short Circuit Current(Isc) [A]	14.84	14.89	14.95	15.00	15.06	15.11
Max Power Current(Imp) [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=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

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

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