

Harvest the Sunshine

555W

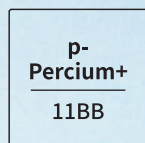


JA SOLAR

JAM72D30 MB

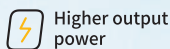
p-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

Premium Modules



Higher output
power



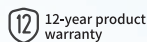
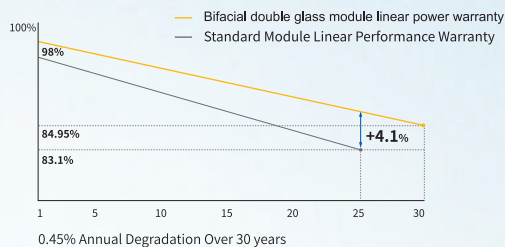
More reliable,
more stable power generation



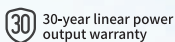
Less shading
effect



Lower temperature
coefficient



12-year product
warranty



30-year linear power
output warranty

Comprehensive Certificates

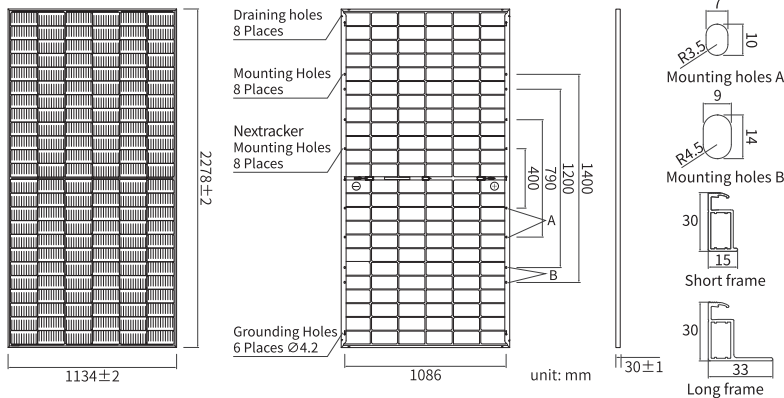
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems



DEEP BLUE 3.0

JAM72D30 MB

p-type Double Glass Bifacial Modules



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	JAM72D30 535/MB	JAM72D30 540/MB	JAM72D30 545/MB	JAM72D30 550/MB	JAM72D30 555/MB
	STC BNPI	STC BNPI	STC BNPI	STC BNPI	STC BNPI
Rated Maximum Power(P _{max}) [W]	535 580	540 590	545 595	550 600	555 605
Open Circuit Voltage (V _{oc}) [V]	49.45 49.45	49.60 49.60	49.75 49.75	49.90 49.90	50.02 50.02
Maximum Power Voltage(V _{mp}) [V]	41.47 41.47	41.64 41.64	41.80 41.80	41.96 41.96	42.11 42.11
Short Circuit Current(I _{sc}) [A]	13.79 14.96	13.86 15.14	13.93 15.21	14.00 15.27	14.07 15.34
Maximum Power Current(I _{mp}) [A]	12.90 13.99	12.97 14.17	13.04 14.24	13.11 14.30	13.18 14.37
Module Efficiency [%]	20.7	20.9	21.1	21.3	21.5
Short Circuit Current(I _{sc})[A] at BSI	16.63	16.68	16.74	16.80	16.87
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/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: P_{max} ±3%, V_{oc} ±3% and I_{sc} ±4%.

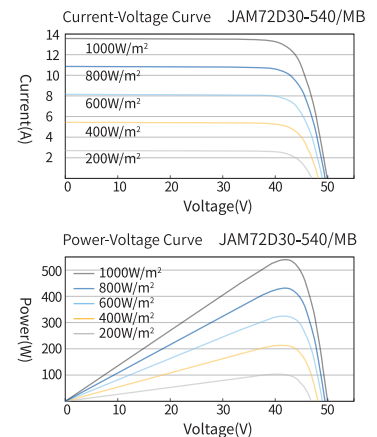
ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D30 535/MB	JAM72D30 540/MB	JAM72D30 545/MB	JAM72D30 550/MB	JAM72D30 555/MB
Rated Max Power(P _{max}) [W]	572	578	583	589	594
Open Circuit Voltage(V _{oc}) [V]	49.80	49.93	50.03	50.21	50.31
Max Power Voltage(V _{mp}) [V]	41.47	41.65	41.78	41.95	42.11
Short Circuit Current(I _{sc}) [A]	14.76	14.83	14.91	14.98	15.05
Max Power Current(I _{mp}) [A]	13.80	13.88	13.95	14.03	14.10
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*	3600Pa, 1.5
Maximum Static Load, Back*	1600Pa, 1.5
NOCT	45±2°C
Bifaciality**	70%±10%
Fire Safety Class	Class C

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

Version No. : AUS-EN-20240612A