

Harvest the Sunshine

585W

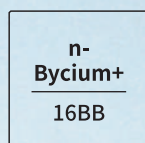


JA SOLAR

JAM72D40 GB

n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

Premium Modules



Higher power
generation better LCOE



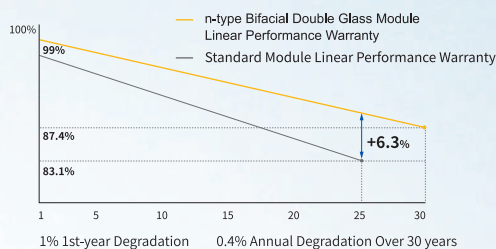
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



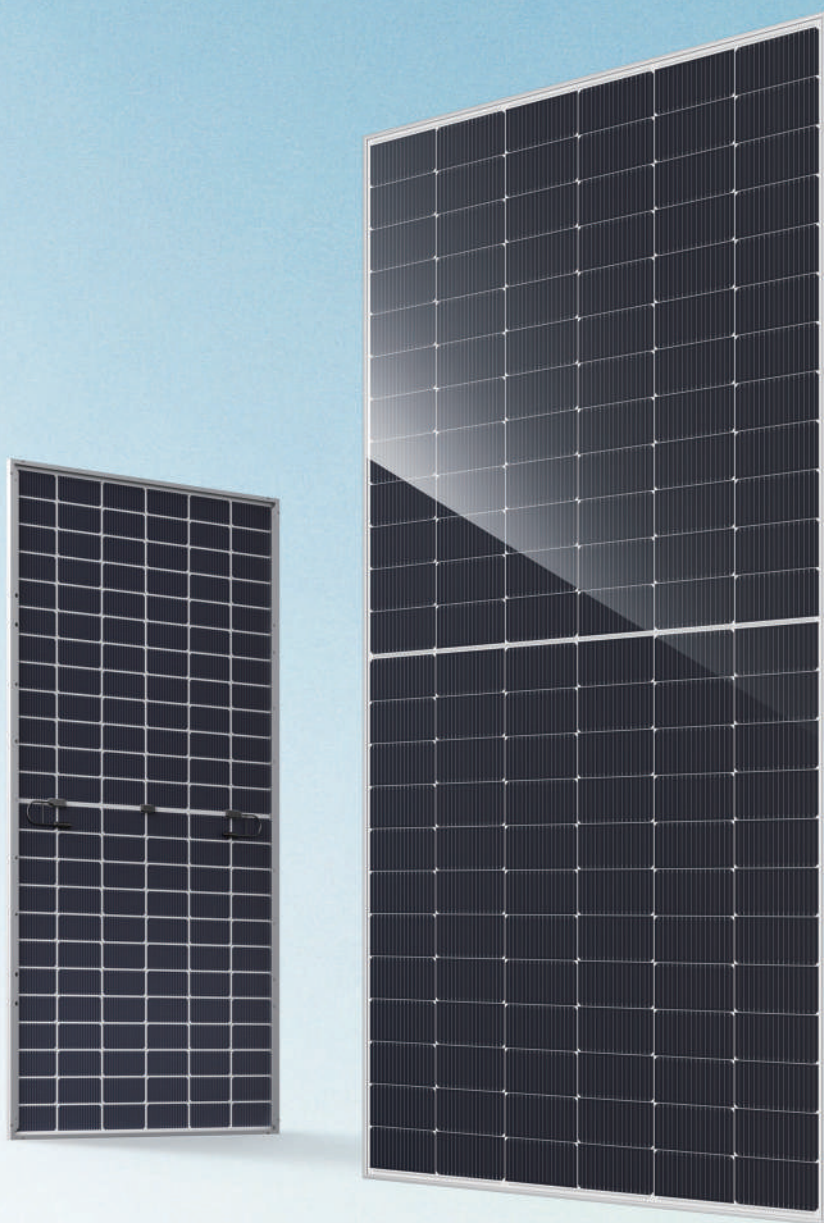
12-year product
warranty



30-year linear power
output warranty

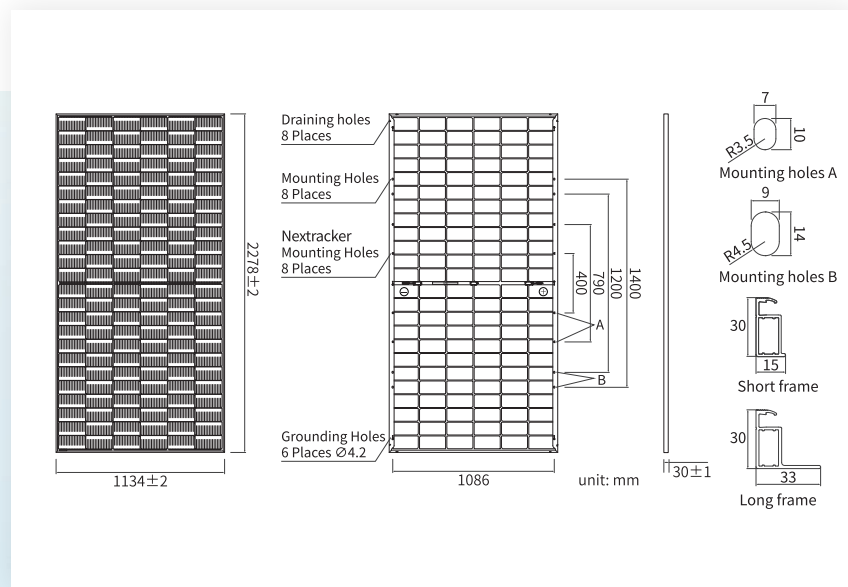
Comprehensive Certificates

- IEC 61215, IEC 61730
- 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

JAM72D40 GB 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	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 560/GB		JAM72D40 565/GB		JAM72D40 570/GB		JAM72D40 575/GB		JAM72D40 580/GB		JAM72D40 585/GB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(P _{max}) [W]	560	615	565	620	570	625	575	630	580	640	585	645
Open Circuit Voltage (V _{oc}) [V]	51.08	51.08	51.30	51.30	51.52	51.52	51.73	51.73	51.95	51.95	52.16	52.16
Maximum Power Voltage(V _{mp}) [V]	43.21	43.21	43.42	43.42	43.62	43.62	43.82	43.82	44.02	44.02	44.22	44.22
Short Circuit Current(I _{sc}) [A]	13.64	14.98	13.69	15.03	13.74	15.07	13.79	15.11	13.84	15.27	13.89	15.32
Maximum Power Current(I _{mp}) [A]	12.96	14.24	13.01	14.28	13.07	14.33	13.12	14.38	13.17	14.54	13.23	14.59
Module Efficiency [%]	21.7		21.9		22.1		22.3		22.5		22.6	
Short Circuit Current(I _{sc})[A] at BSI	16.69		16.84		16.88		16.91		16.95		17.10	
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.

Measurement tolerance at STC and BNPI: P_{max} ±3%, V_{oc} ±3% and I_{sc} ±5%.

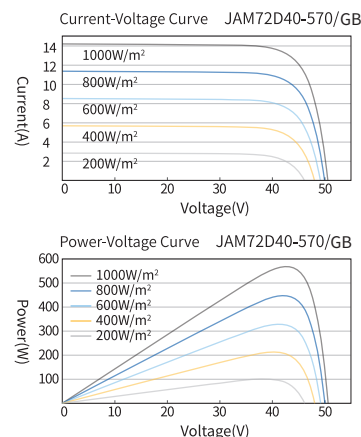
ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D40 560/GB	JAM72D40 565/GB	JAM72D40 570/GB	JAM72D40 575/GB	JAM72D40 580/GB	JAM72D40 585/GB
	560/GB	565/GB	570/GB	575/GB	580/GB	585/GB
Rated Max Power(P _{max}) [W]	605	610	616	621	626	632
Open Circuit Voltage(V _{oc}) [V]	51.08	51.30	51.52	51.73	51.95	52.16
Max Power Voltage(V _{mp}) [V]	43.21	43.42	43.62	43.82	44.02	44.22
Short Circuit Current(I _{sc}) [A]	14.73	14.79	14.84	14.89	14.95	15.00
Max Power Current(I _{mp}) [A]	14.00	14.05	14.11	14.17	14.23	14.29
Irradiation Ratio (rear/front)	10%					

* For NexTracker installations, maximum static load please take compatibility approve letter between JA Solar and NexTracker 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**	80%±10%
Fire Safety Class	Class C