

Harvest the Sunshine

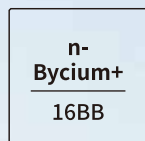
620W



JA SOLAR

JAM72D40 LB n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



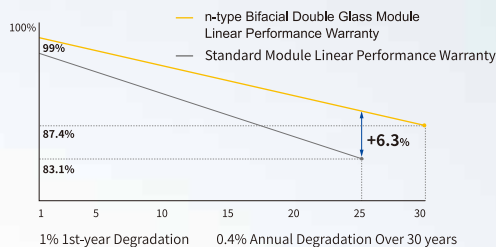
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



12-year product
warranty



30-year linear power
output warranty

*Remark: The performance warranty applies at STC condition.

Comprehensive Certificates

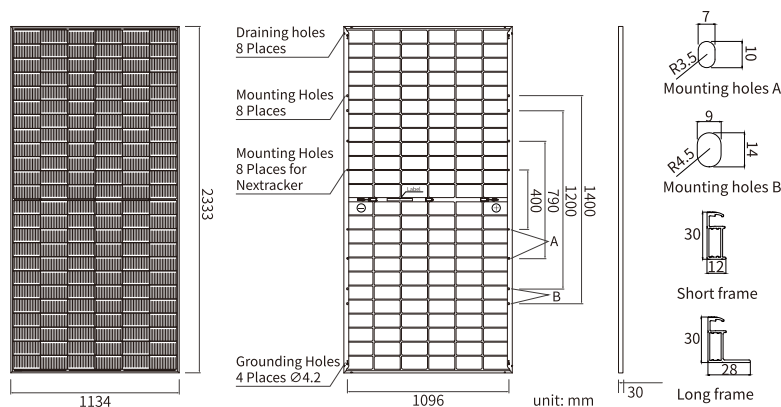
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

JAM72D40 LB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	32.5kg
Dimensions	2333mm×1134mm×30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3diodes
Connector	Stäubli PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy QC Solar QC4.10-351/ QC4.10-35
Cable Length (Including Connector)	Portrait: 400mm(+)/200mm(-) Landscape: 1400mm(+)/1400mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container
Country of Manufacturer	China/Vietnam
Remark: customized frame color and cable length available upon request	

ELECTRICAL PARAMETERS AT STC and BNPI

TYPE	JAM72D40 -595/LB STC BNPI	JAM72D40 -600/LB STC BNPI	JAM72D40 -605/LB STC BNPI	JAM72D40 -610/LB STC BNPI	JAM72D40 -615/LB STC BNPI	JAM72D40 -620/LB STC BNPI
Rated Maximum Power(P _{max}) [W]	595 655	600 660	605 665	610 670	615 675	620 680
Open Circuit Voltage (V _{oc}) [V]	52.20 52.20	52.40 52.40	52.60 52.60	52.80 52.80	53.00 53.00	53.20 53.20
Maximum Power Voltage(V _{mp}) [V]	43.59 43.59	43.76 43.76	43.94 43.94	44.11 44.11	44.28 44.28	44.44 44.44
Short Circuit Current(I _{sc}) [A]	14.42 15.87	14.48 15.93	14.53 15.97	14.57 16.01	14.61 16.04	14.65 16.07
Maximum Power Current(I _{mp}) [A]	13.65 15.03	13.71 15.09	13.77 15.14	13.83 15.19	13.89 15.25	13.95 15.31
Module Efficiency [%]	22.5	22.7	22.9	23.1	23.2	23.4
Short Circuit Current (I _{sc}) [A] at BSI	17.69	17.74	17.78	17.92	17.94	17.96
Power Tolerance	0~+3%					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.045%/°C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.250%/°C					
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.290%/°C					

STC Irradiance 1000W/m², cell temperature 25°C, AM1.5G

BNPI Front Irradiance 1000W/m², rear Irradiance 135W/m²

BSI Front Irradiance 1000W/m², rear Irradiance 300W/m²

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.

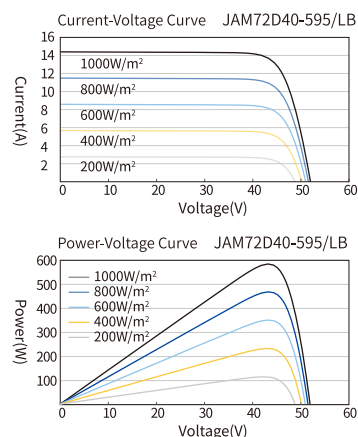
Measurement tolerance at STC and BNPI: P_{max}±3%, V_{oc}±3%, and I_{sc}±5%, and the tolerance of I_{sc} at BSI: ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains and Low Irradiance Of 200W/m²

TYPE	JAM72D40 -595/LB 10% 200W/m ²	JAM72D40 -600/LB 10% 200W/m ²	JAM72D40 -605/LB 10% 200W/m ²	JAM72D40 -610/LB 10% 200W/m ²	JAM72D40 -615/LB 10% 200W/m ²	JAM72D40 -620/LB 10% 200W/m ²
Rated Max Power(P _{max}) [W]	643 115.88	648 117.75	653 118.63	659 119.43	664 120.27	670 121.22
Open Circuit Voltage(V _{oc}) [V]	52.20 49.13	52.40 49.33	52.60 49.52	52.80 49.71	53.00 49.90	53.20 50.09
Max Power Voltage(V _{mp}) [V]	43.59 42.51	43.76 42.68	43.94 42.85	44.11 43.02	44.28 43.20	44.44 43.39
Short Circuit Current(I _{sc}) [A]	15.57 2.88	15.64 2.90	15.69 2.91	15.74 2.91	15.78 2.92	15.82 2.93
Max Power Current(I _{mp}) [A]	14.74 2.73	14.81 2.76	14.87 2.77	14.94 2.78	15.00 2.78	15.07 2.79
Irradiation Ratio (rear/front)	10%					
Low Irradiance	(200±2) W/m ² , module at (25±2) °C					

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

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+70°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	φP _{max} (80±5)%, φV _{oc} (98±5)%, φI _{sc} (80±5)%
Safety Class	Class II
Fire Performance	Class C

*PV module 98th percentile operating temperature : 70°C



Headquarters

JA Solar Technology Co., Ltd.
No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road,
Fengtai District, Beijing
Tel: +86 10 6361 1888 Fax: +86 10 6361 1999
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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

Version No. : AUS-EN-20250730A