

Harvest the Sunshine

JA SOLAR

620W



JAM72D40 LB n-type Double Glass Bifacial Modules

Premium Cells

n-
Bycium+
16BB

MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

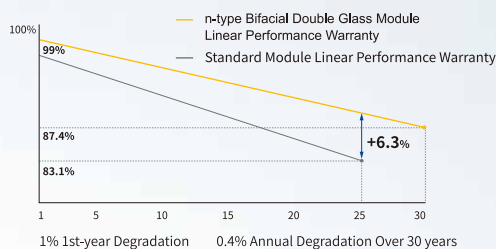
Premium Modules

Higher power generation better LCOE

n-type with very Lower LID

Better Temperature Coefficient

Better low irradiance response



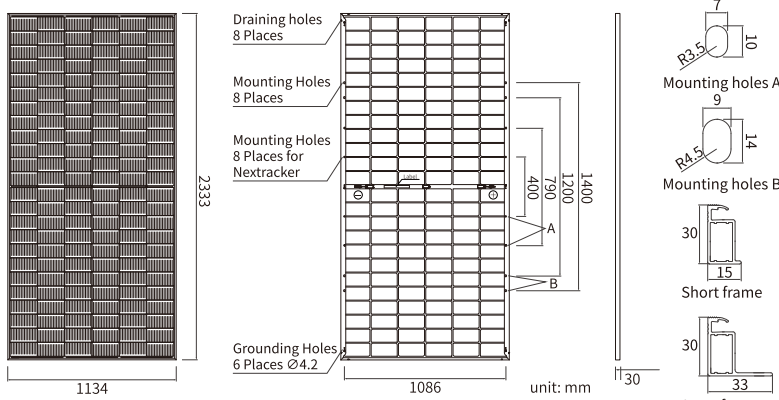
12-year product warranty

30-year linear power output warranty

Comprehensive Certificates

- IEC 61215, IEC 61730
- 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





MECHANICAL PARAMETERS

Cell	Mono
Weight	32.5kg
Dimensions	2333×1134mm×30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3diodes
Connector	QC Solar QC4.10-351/QC4.10-35 Stäubli PV-KST4-EVO2A/xy ,PV-KBT4-EVO2A/xy
Cable Length (including Connector)	Portrait: 300mm(+)/400mm(-) 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		JAM72D40 -600/LB		JAM72D40 -605/LB		JAM72D40 -610/LB		JAM72D40 -615/LB		JAM72D40 -620/LB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(Pmax) [W]	595	655	600	660	605	665	610	670	615	665	620	680
Open Circuit Voltage (Voc) [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(Vmp) [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(Isc) [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(Imp) [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 (Isc) [A]at BSI	17.69		17.74		17.78		17.92		17.94		17.96	
Power Tolerance	0~+3%											
Temperature Coefficient of Isc(α_{Isc})	+0.045%/°C											
Temperature Coefficient of Voc (β_{Voc})	-0.250%/°C											
Temperature Coefficient of Pmax(γ_{Pmp})	-0.290%/°C											
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G											
BNPI	front Irradiance 1000W/m ² , rear Irradiance 135W/m ²											
BSI	front Irradiance 1000W/m ² , rear Irradiance 300W/m ²											

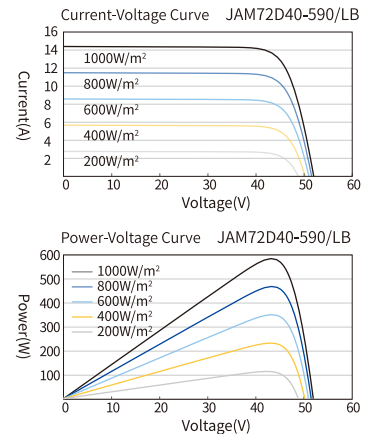
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types. Measurement tolerance at STC and BNPI: Pmax ±3%, Voc ±3% and Isc ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains

TYPE	JAM72D40 -595/LB	JAM72D40 -600/LB	JAM72D40 -605/LB	JAM72D40 -610/LB	JAM72D40 -615/LB	JAM72D40 -620/LB
	Rated Max Power(Pmax) [W]	654.5	660.0	665.5	671.0	676.5
Open Circuit Voltage(Voc) [V]	52.20	52.40	52.60	52.80	53.00	53.20
Max Power Voltage(Vmp) [V]	43.59	43.76	43.94	44.11	44.28	44.44
Short Circuit Current(Isc) [A]	15.86	15.93	15.98	16.03	16.07	16.12
Max Power Current(Imp) [A]	15.02	15.08	15.15	15.21	16.28	15.35

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

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	ϕP_{max} (80±10)%, ϕVoc (98±5)%, ϕIsc (80±10)%
Safety Class	Class II
Fire Safety Class	Class C

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

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