

Harvest the Sunshine

JA SOLAR

615W



JAM72D40 LB n-type Double Glass Bifacial Modules

Premium Cells

n-
Bycium+
16BB

MBB Half-Cell
Technology

26%

Up To

Cell Conversion
Efficiency

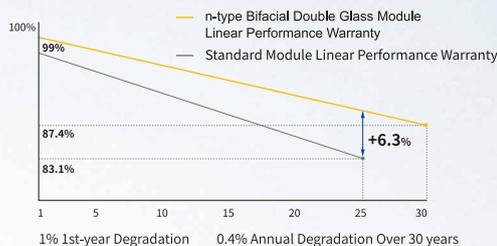
Premium Modules

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

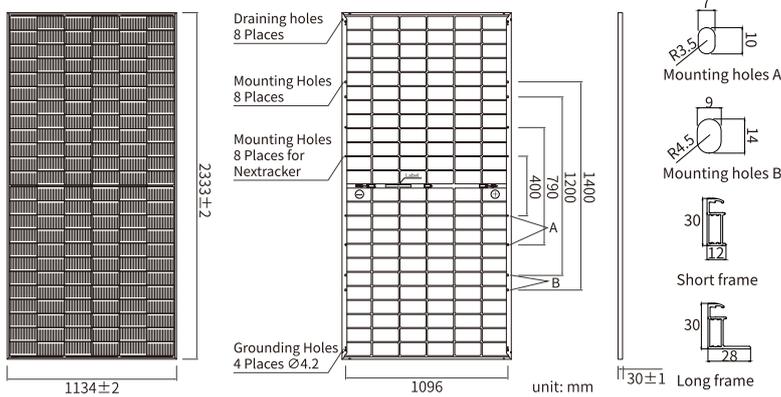
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

JAM72D40 LB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	32.5kg
Dimensions	2333±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	QC 4.10-351/ MC4-EVO2A
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

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D40 -590/LB	JAM72D40 -595/LB	JAM72D40 -600/LB	JAM72D40 -605/LB	JAM72D40 -610/LB	JAM72D40 -615/LB
Rated Maximum Power(Pmax) [W]	590	595	600	605	610	615
Open Circuit Voltage (Voc) [V]	52.00	52.20	52.40	52.60	52.80	53.00
Maximum Power Voltage(Vmp) [V]	43.41	43.59	43.76	43.94	44.11	44.28
Short Circuit Current(Isc) [A]	14.35	14.42	14.48	14.53	14.57	14.61
Maximum Power Current(Imp) [A]	13.59	13.65	13.71	13.77	13.83	13.89
Module Efficiency [%]	22.3	22.5	22.7	22.9	23.1	23.2
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					

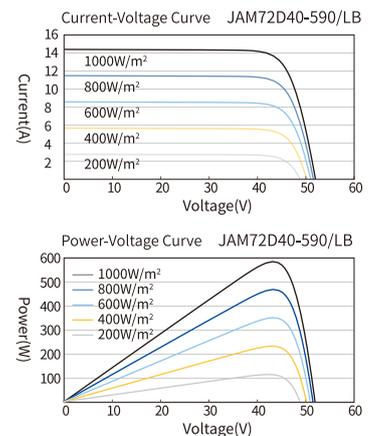
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D40 -590/LB	JAM72D40 -595/LB	JAM72D40 -600/LB	JAM72D40 -605/LB	JAM72D40 -610/LB	JAM72D40 -615/LB
Rated Max Power(Pmax) [W]	637	643	648	653	659	664
Open Circuit Voltage(Voc) [V]	52.00	52.20	52.40	52.60	52.80	53.00
Max Power Voltage(Vmp) [V]	43.41	43.59	43.76	43.94	44.11	44.28
Short Circuit Current(Isc) [A]	15.50	15.57	15.64	15.69	15.74	15.78
Max Power Current(Imp) [A]	14.68	14.74	14.81	14.87	14.94	15.00
Irradiation Ratio (rear/front)	10%					

* 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~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front*	5400Pa(112 lb/ft ²)
Maximum Static Load, Back*	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C