

Harvest the Sunshine

JA SOLAR

605W



JAM72D40 LB n-type Double Glass Bifacial Modules

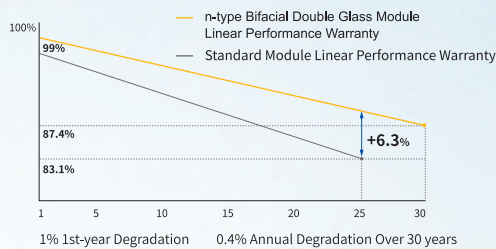
Premium Cells

n-
Bycium+
16BB

MBB Half-Cell
Technology

Premium Modules

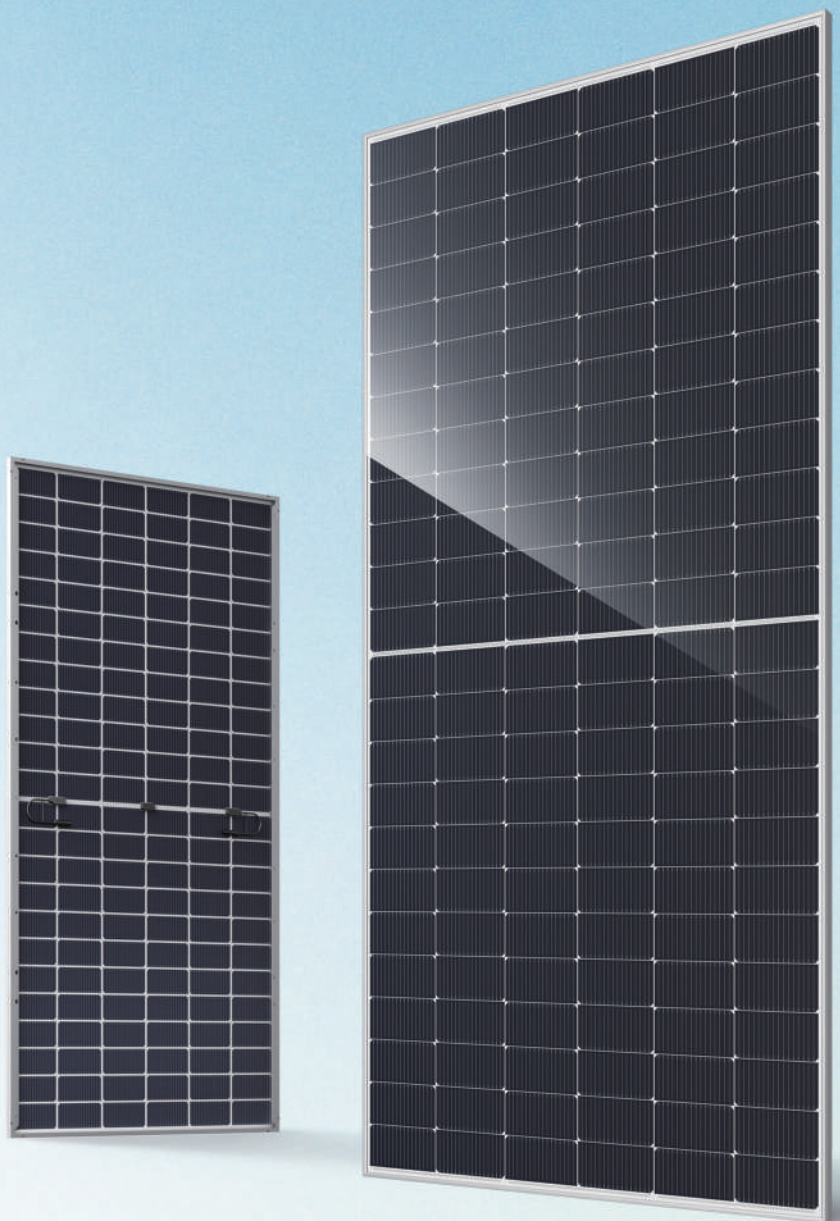
- Higher power generation better LCOE
- LID n-type with very Lower LID
- Better Temperature Coefficient
- Better low irradiance response



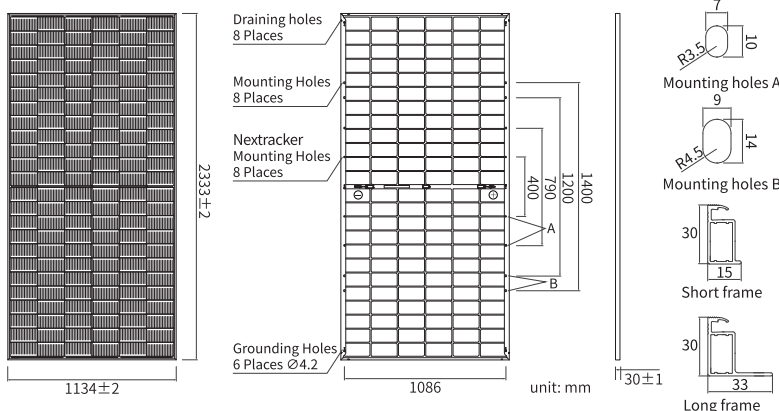
- 12-year product warranty
- 30-year linear power output warranty

Comprehensive Certificates

- IEC 61215, IEC 61730
- 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 Pro



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	Stäubli MC4-EVO2A/MC4-EVO2 QC Solar QC 4.10-351/QC 4.10-35
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1400mm(+)/1400mm(-)
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 580/LB		JAM72D40 585/LB		JAM72D40 590/LB		JAM72D40 595/LB		JAM72D40 600/LB		JAM72D40 605/LB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(Pmax) [W]	580	640	585	645	590	650	595	655	600	660	605	665
Open Circuit Voltage (Voc) [V]	51.60	51.60	51.80	51.80	52.00	52.00	52.20	52.20	52.40	52.40	52.60	52.60
Maximum Power Voltage(Vmp) [V]	43.06	43.06	43.24	43.24	43.41	43.41	43.59	43.59	43.76	43.76	43.94	43.94
Short Circuit Current(Isc) [A]	14.23	15.70	14.29	15.76	14.35	15.81	14.42	15.87	14.48	15.93	14.53	16.01
Maximum Power Current(Imp) [A]	13.47	14.87	13.53	14.92	13.59	14.98	13.65	15.03	13.71	14.72	13.77	15.14
Module Efficiency [%]	21.9		22.1		22.3		22.5		22.7		22.9	
Short Circuit Current(Isc)[A] at BSI	17.42		17.59		17.64		17.69		17.74		17.78	
Power Tolerance	0~+3%											
Temperature Coefficient of Isc(α _{Isc})	+0.046%/°C											
Temperature Coefficient of Voc (β _{Voc})	-0.260%/°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.

Measurement tolerance at STC and BNPI: Pmax ±3%, Voc ±3% and Isc ±5%.

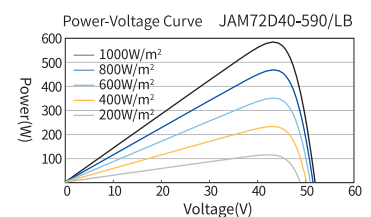
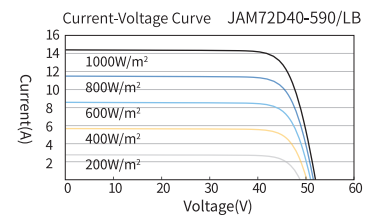
ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D40 580/LB	JAM72D40 585/LB	JAM72D40 590/LB	JAM72D40 595/LB	JAM72D40 600/LB	JAM72D40 605/LB
	Rated Max Power(Pmax) [W]	626	632	637	643	648
Open Circuit Voltage(Voc) [V]	51.60	51.80	52.00	52.20	52.40	52.60
Max Power Voltage(Vmp) [V]	43.06	43.24	43.41	43.59	43.76	43.94
Short Circuit Current(Isc) [A]	15.36	15.43	15.50	15.57	15.64	15.69
Max Power Current(Imp) [A]	14.55	14.61	14.68	14.74	14.81	14.87
Irradiation Ratio (rear/front)	10%					

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

** Bifaciality=Pmax, rear/Rated Pmax, 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