

Harvest the Sunshine

JA SOLAR

515W



JAM60D40 LB n-type Double Glass Bifacial Modules

Premium Cells

n-
Bycium+
16BB

MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

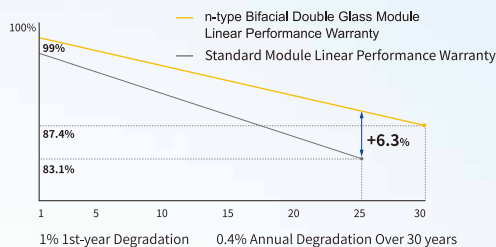
Premium Modules

Higher power
generation better LCOE

n-type with very
Lower LID

Better Temperature
Coefficient

Better low irradiance
response



12-year product
warranty

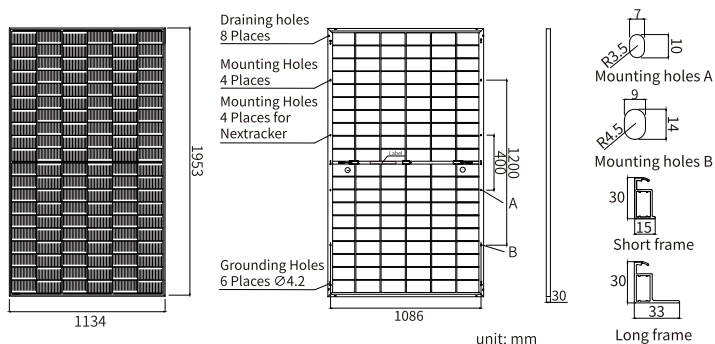
30-year linear power
output warranty

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



JAM60D40 LB n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	27.3kg
Dimensions	1953×1134mm×30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	120(6×20)
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: 1200mm(+)/1200mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 864pcs/40HQ Container
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC and BNPI

TYPE	JAM60D40 -490/LB		JAM60D40 -495/LB		JAM60D40 -500/LB		JAM60D40 -505/LB		JAM60D40 -510/LB		JAM60D40 -515/LB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(Pmax) [W]	490	540	495	545	500	550	505	555	510	560	515	569
Open Circuit Voltage (Voc) [V]	43.45	43.45	43.65	43.65	43.85	43.85	44.05	44.05	44.25	44.25	45.00	45.00
Maximum Power Voltage(Vmp) [V]	36.49	36.49	36.70	36.70	36.91	36.91	37.11	37.11	37.31	37.31	37.62	37.62
Short Circuit Current(Isc) [A]	14.30	15.76	14.36	15.81	14.42	15.86	14.48	15.91	14.54	15.96	14.56	16.07
Maximum Power Current(Imp) [A]	13.43	14.80	13.49	14.86	13.55	14.91	13.61	14.96	13.67	15.01	13.69	15.11
Module Efficiency [%]	22.1		22.4		22.6		22.8		23.0		23.3	
Short Circuit Current (Isc) [A]at BSI	17.51		17.55		17.73		17.78		17.82		17.92	
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											

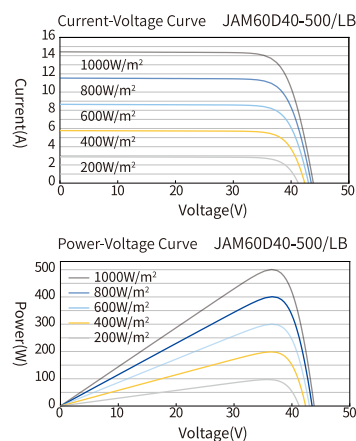
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types. Measurement tolerance at STC and BNPI: Pmax ±3%, Voc ±3% and Isc ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains

TYPE	JAM60D40 -490/LB	JAM60D40 -495/LB	JAM60D40 -500/LB	JAM60D40 -505/LB	JAM60D40 -510/LB	JAM60D40 -515/LB
	Rated Max Power(Pmax) [W]	539.0	544.5	550.0	555.5	561.0
Open Circuit Voltage(Voc) [V]	43.45	43.65	43.85	44.05	44.25	45.00
Max Power Voltage(Vmp) [V]	36.49	36.70	36.91	37.11	37.31	37.62
Short Circuit Current(Isc) [A]	15.73	15.80	15.86	15.93	15.99	16.02
Max Power Current(Imp) [A]	14.77	14.84	14.91	14.97	15.04	15.06

* 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	3600Pa, 1.5
Maximum Static Load, Back	1600Pa, 1.5
NOCT	45±2°C
Bifaciality	ϕ_{Pmax} (80±10)%, ϕ_{Voc} (98±5)%, ϕ_{Isc} (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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