

Harvest the Sunshine

655W

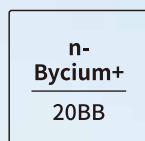


JA SOLAR

Preliminary Version

JAM66D45 LB n-type Double Glass Bifacial Modules

Premium Cells



SMBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



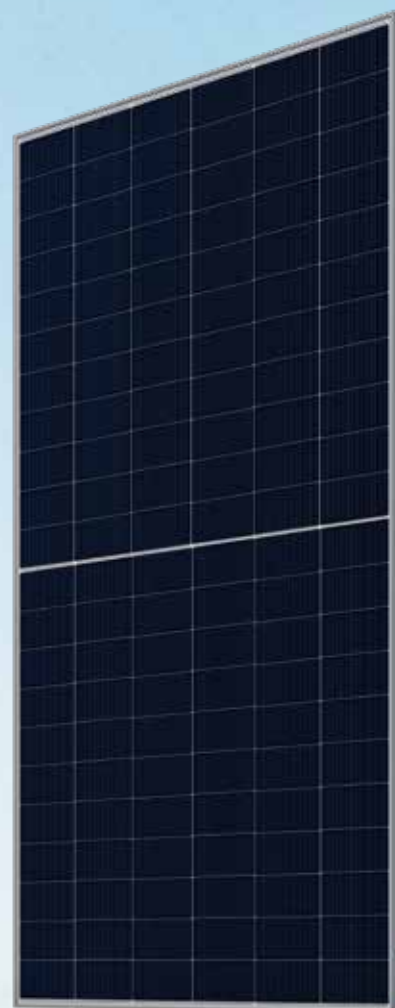
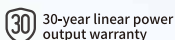
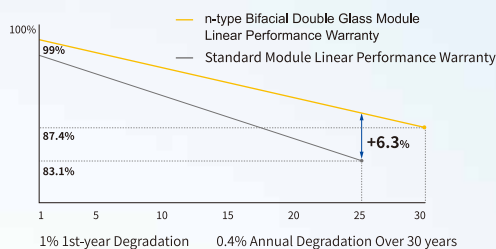
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



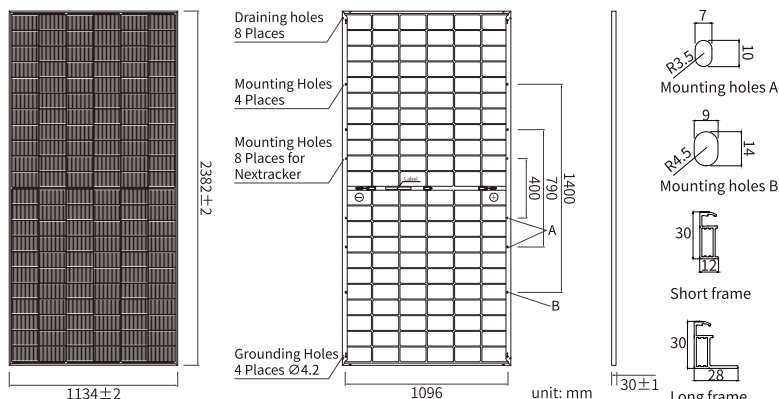
Comprehensive Certificates

- 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



JAM66D45 LB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	33.1kg
Dimensions	2382±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	132(6×22)
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	JAM66D45 -630/LB	JAM66D45 -635/LB	JAM66D45 -640/LB	JAM66D45 -645/LB	JAM66D45 -650/LB	JAM66D45 -655/LB
Rated Maximum Power(P _{max}) [W]	630	635	640	645	650	655
Open Circuit Voltage (V _{oc}) [V]	48.90	49.10	49.39	49.68	49.97	50.26
Maximum Power Voltage(V _{mp}) [V]	40.70	40.94	41.20	41.43	41.67	41.91
Short Circuit Current(I _{sc}) [A]	16.18	16.21	16.24	16.27	16.30	16.33
Maximum Power Current(I _{mp}) [A]	15.48	15.51	15.54	15.57	15.60	15.63
Module Efficiency [%]	23.3	23.5	23.7	23.9	24.1	24.2
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})	-0.280%/°C					
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G					

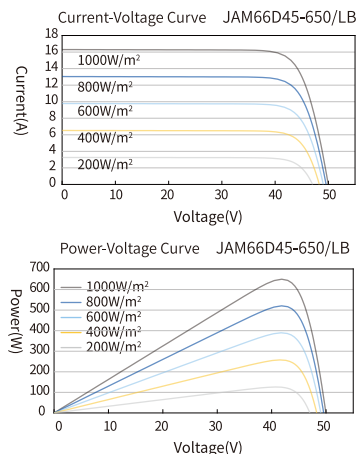
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM66D45 -630/LB	JAM66D45 -635/LB	JAM66D45 -640/LB	JAM66D45 -645/LB	JAM66D45 -650/LB	JAM66D45 -655/LB
Rated Max Power(P _{max}) [W]	680	686	691	697	702	707
Open Circuit Voltage(V _{oc}) [V]	48.90	49.10	49.39	49.68	49.97	50.26
Max Power Voltage(V _{mp}) [V]	40.70	40.94	41.20	41.43	41.67	41.91
Short Circuit Current(I _{sc}) [A]	17.47	17.51	17.54	17.57	17.60	17.64
Max Power Current(I _{mp}) [A]	16.72	16.75	16.78	16.82	16.85	16.88
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	35A
Maximum Static Load, Front*	5400Pa(112 lb/ft ²)
Maximum Static Load, Back*	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Bifaciality	85%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C



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Specifications subject to technical changes and tests.
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Version No. : Global-EN-20250826A