

Harvest the Sunshine

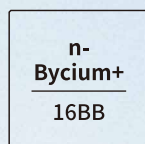
JA SOLAR

645W



JAM66D45 LB n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell Technology

26%
Up To

Cell Conversion Efficiency

Premium Modules



Higher power generation better LCOE



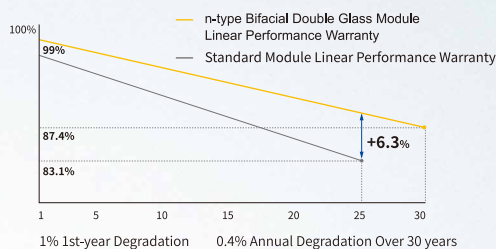
n-type with very Lower LID



Better Temperature Coefficient



Better low irradiance response

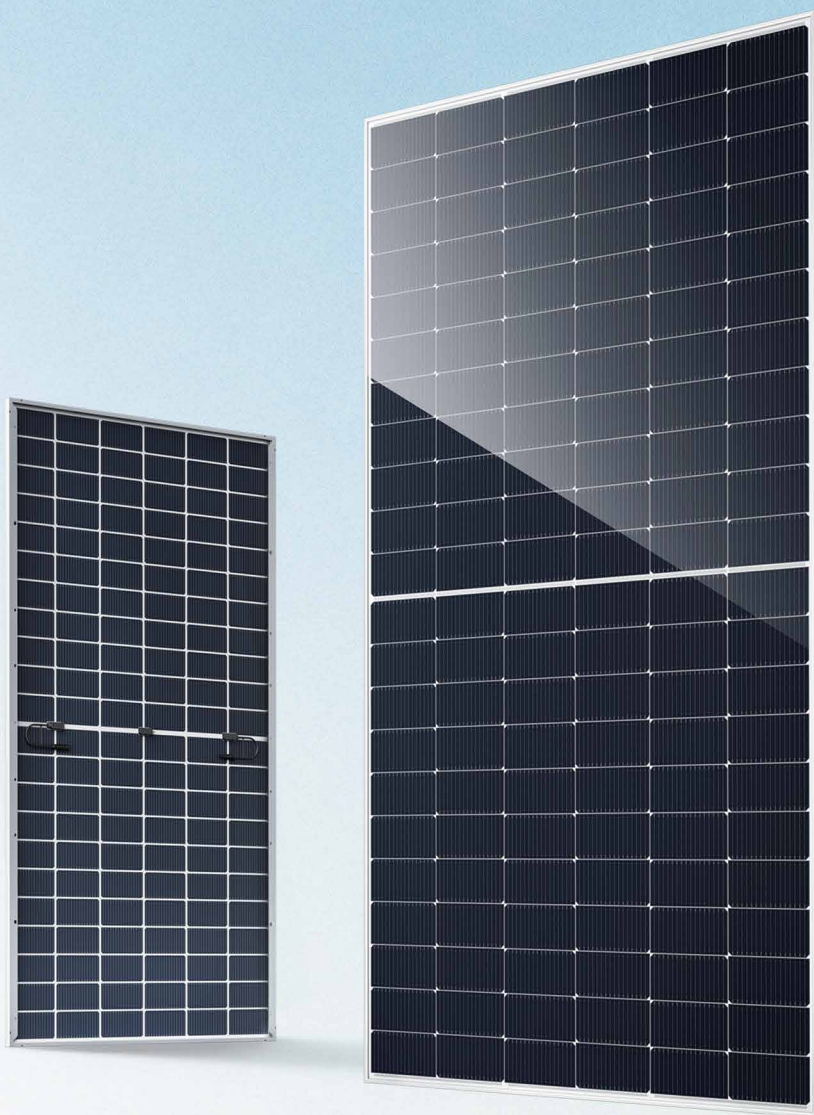


12-year product warranty

30-year linear power output warranty

Comprehensive Certificates

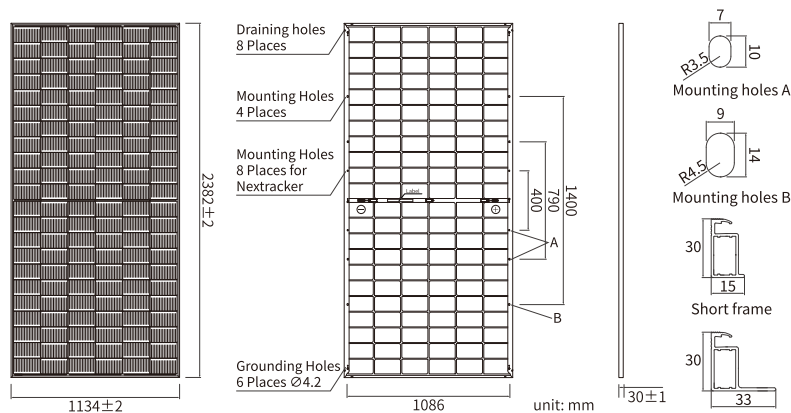
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

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	4mm²(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: 300mm(+)/400mm(-) Landscape: 1500mm(+)/1500mm(-)
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 620/LB	JAM66D45 625/LB	JAM66D45 630/LB	JAM66D45 635/LB	JAM66D45 640/LB	JAM66D45 645/LB
Rated Maximum Power(Pmax) [W]	620	625	630	635	640	645
Open Circuit Voltage (Voc) [V]	48.50	48.70	48.90	49.10	49.39	49.68
Maximum Power Voltage(Vmp) [V]	40.21	40.45	40.70	40.94	41.20	41.43
Short Circuit Current(Isc) [A]	16.13	16.15	16.18	16.21	16.24	16.27
Maximum Power Current(Imp) [A]	15.42	15.45	15.48	15.51	15.54	15.57
Module Efficiency [%]	23.0	23.1	23.3	23.5	23.7	23.9
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/m², 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.

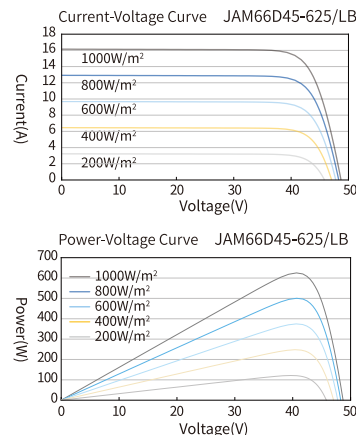
ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM66D45 620/LB	JAM66D45 625/LB	JAM66D45 630/LB	JAM66D45 635/LB	JAM66D45 640/LB	JAM66D45 645/LB
Rated Max Power(Pmax) [W]	670	675	680	686	691	697
Open Circuit Voltage(Voc) [V]	48.50	48.70	48.90	49.10	49.39	49.68
Max Power Voltage(Vmp) [V]	40.21	40.45	40.70	40.94	41.20	41.43
Short Circuit Current(Isc) [A]	17.42	17.44	17.47	17.51	17.54	17.57
Max Power Current(Imp) [A]	16.65	16.69	16.72	16.75	16.78	16.82
Irradiation Ratio (rear/front)	10%					

* For NextTracker installations, maximum static load please take compatibility approve letter between JA Solar and NextTracker 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	35A
Maximum Static Load, Front*	5400Pa(112 lb/ft²)
Maximum Static Load, Back*	2400Pa(50 lb/ft²)
NOCT	45±2°C
Bifaciality**	80%±10%
Safety Class	Class II
Fire Performance	UL Type 29/Class C



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