JA SOLAR | DEEP BLUE 4.0 Pro

655 W JAM66D45 LB

n-type Double Glass Bifacial Modules

Premium Cells

n-Bycium+ 20BB	SMBB Half-Cell Technology

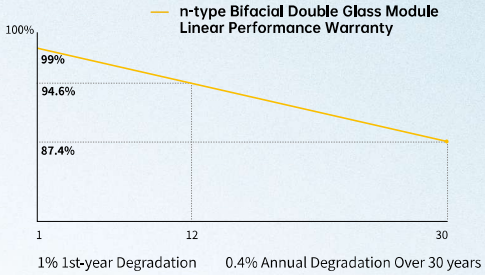
Premium Modules

Superior energy yield for lower LCOE

High-efficiency with advanced n-type Bycium+ cell technology

Higher power output with High-density module design

Excellent reliability, certified by authoritative institutions



12-year product warranty

30-year linear power output warranty



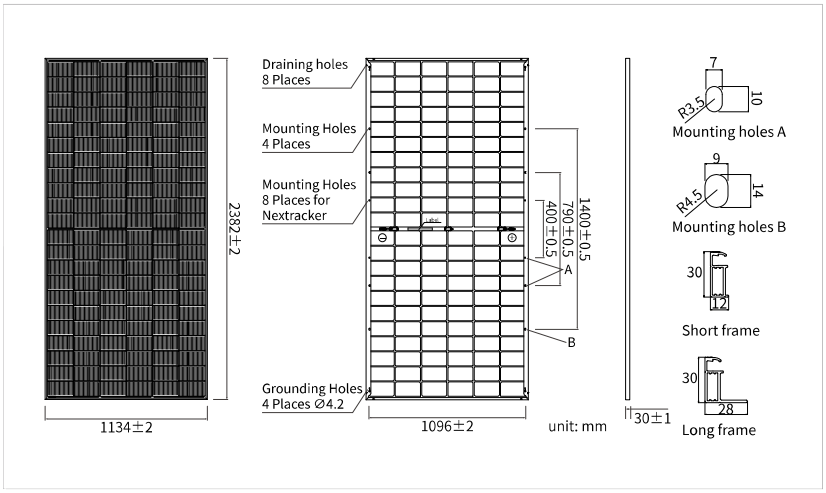


Comprehensive Certificates

- 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

655W JAM66D45 LB
n-type Double Glass Bifacial Modules

DEEP BLUE 4.0 Pro



MECHANICAL PARAMETERS

Cell	Mono
Weight	32.8kg
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: 400mm(+)/200mm(-) Landscape: 1400mm(+)/1400mm(-)
Frame	Anodized Aluminium Alloy
Front Glass	2.0mm,Anti-reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container

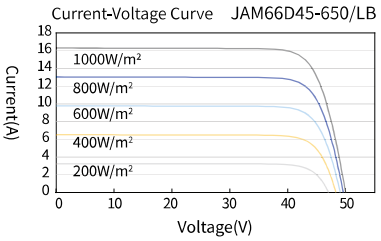
Remark: customized frame color and cable length available upon request

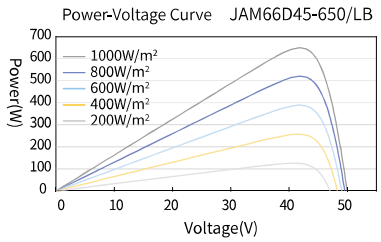
ELECTRICAL PARAMETERS AT STC

TYPE	JAM66D45 -630/LB	JAM66D45 -635/LB	JAM66D45 -640/LB	JAM66D45 -645/LB	JAM66D45 -650/LB	JAM66D45 -655/LB
Rated Maximum Power(Pmax) [W]	630	635	640	645	650	655
Open Circuit Voltage (Voc) [V]	48.90	49.10	49.39	49.68	49.97	50.26
Maximum Power Voltage(Vmp) [V]	40.70	40.94	41.20	41.43	41.67	41.91
Short Circuit Current(Isc) [A]	16.18	16.21	16.24	16.27	16.30	16.33
Maximum Power Current(Imp) [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 Isc(α_Isc)	+0.045%/°C					
Temperature Coefficient of Voc (β_Voc)	-0.250%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.280%/°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.

CHARACTERISTICS





ELECTRICAL PARAMETERS AT BNPI

TYPE	JAM66D45 -630/LB	JAM66D45 -635/LB	JAM66D45 -640/LB	JAM66D45 -645/LB	JAM66D45 -650/LB	JAM66D45 -655/LB
Rated Max Power(Pmax) [W]	695	701	707	712	718	723
Open Circuit Voltage(Voc) [V]	48.90	49.10	49.39	49.68	49.97	50.26
Max Power Voltage(Vmp) [V]	40.70	40.94	41.20	41.43	41.67	41.91
Short Circuit Current(Isc) [A]	17.85	17.90	17.93	17.96	17.99	18.03
Max Power Current(Imp) [A]	17.08	17.12	17.16	17.19	17.22	17.25
BNPI	Front Irradiance 1000W/m², Rear Irradiance 135W/m², cell temperature 25°C, AM1.5G					

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

OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature*	-40°C~+70°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	85%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

*PV module 98th percentile operating temperature : 70°C

JA SOLAR

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Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.

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