

650W JAM72D42 LB

n-type Double Glass Bifacial Modules

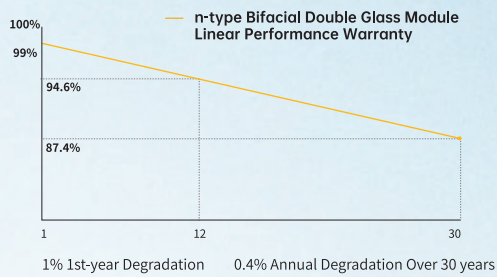


Premium Cells

n- Bycium+	MBB Half-Cell Technology
16BB	

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

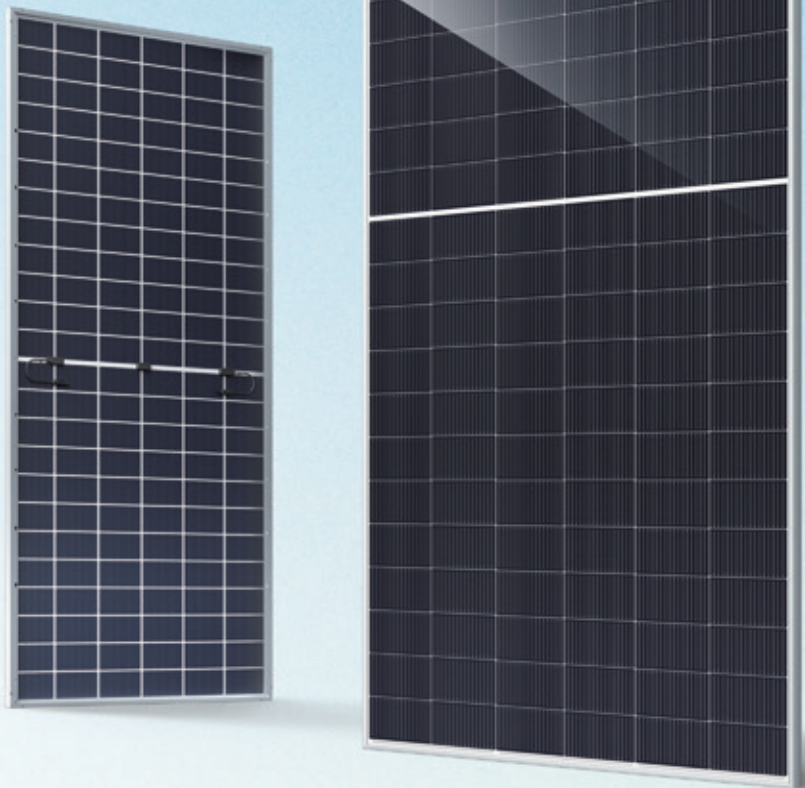


12 12-year product warranty

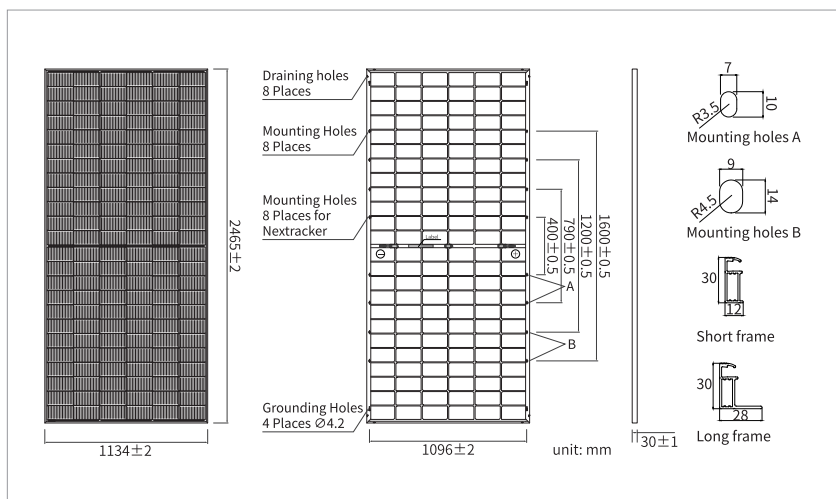
30 30-year linear power output warranty

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



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MECHANICAL PARAMETERS

Cell	Mono
Weight	34.0kg
Dimensions	2465±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	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, 576pcs/40HQ Container

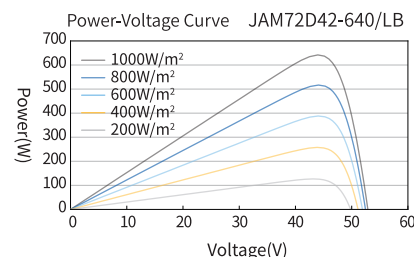
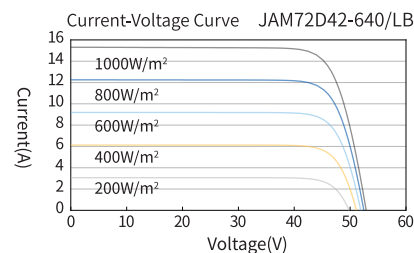
Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D42 -625/LB	JAM72D42 -630/LB	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB
Rated Maximum Power(Pmax) [W]	625	630	635	640	645	650
Open Circuit Voltage (Voc) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Maximum Power Voltage(Vmp) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short Circuit Current(Isc) [A]	15.16	15.21	15.26	15.31	15.36	15.41
Maximum Power Current(Imp) [A]	14.30	14.35	14.40	14.45	14.50	14.55
Module Efficiency [%]	22.4	22.5	22.7	22.9	23.1	23.3
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					

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	JAM72D42 -625/LB	JAM72D42 -630/LB	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB
Rated Max Power(Pmax) [W]	685	695	700	705	710	715
Open Circuit Voltage(Voc) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Max Power Voltage(Vmp) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short Circuit Current(Isc) [A]	16.62	16.78	16.82	16.87	16.91	16.95
Max Power Current(Imp) [A]	15.68	15.84	15.88	15.92	15.96	16.01
BNPI	Front Irradiance 1000W/m ² , Rear Irradiance 135W/m ² , cell temperature 25°C, AM1.5G					

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

OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature*	-40°C~+70°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front**	5400Pa(112 lb/ft ²)
Maximum Static Load, Back**	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

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



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Specifications subject to technical changes and tests.
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