

Harvest the Sunshine

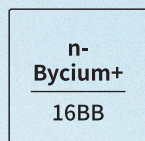
660W



JA SOLAR

JAM72D42 LB n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell Technology

26%



Cell Conversion Efficiency

Premium Modules



Higher power generation better LCOE



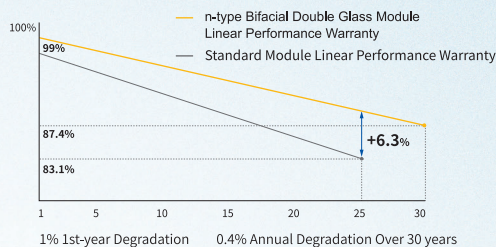
n-type with very Lower LID



Better Temperature Coefficient



Better low irradiance response



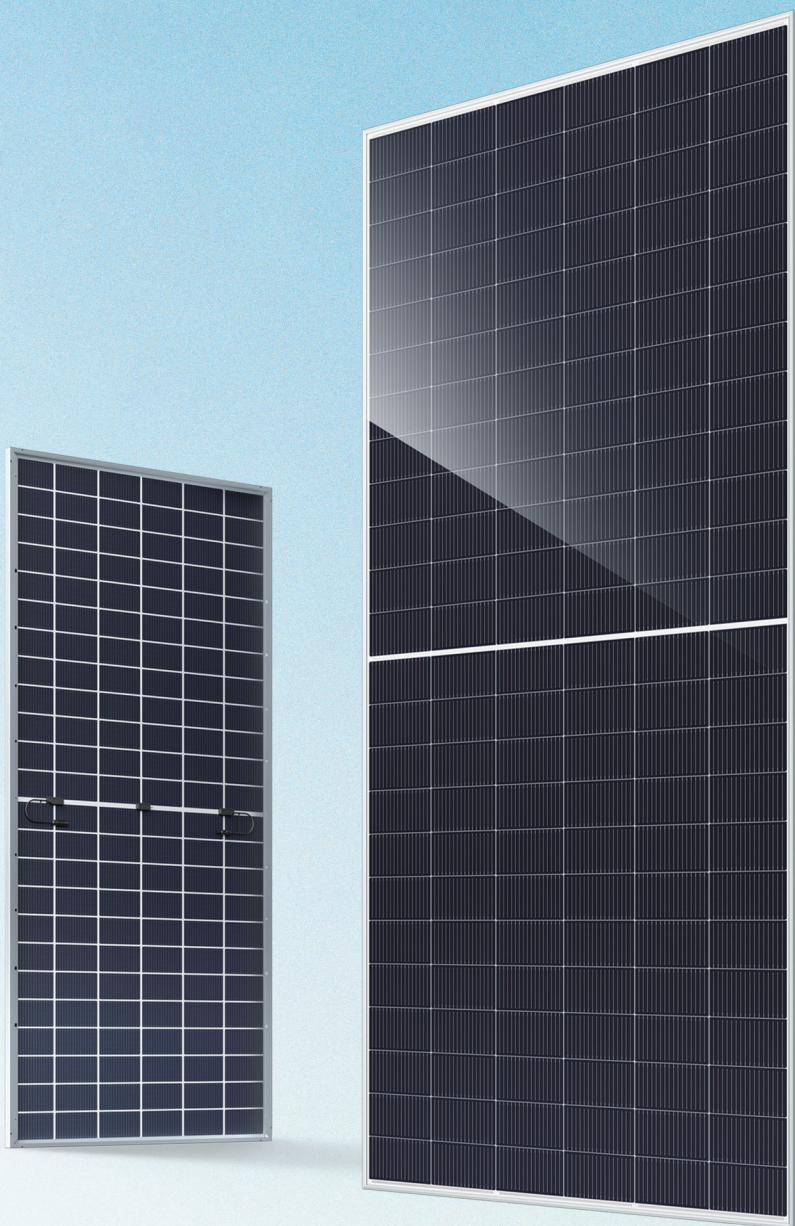
12-year product warranty



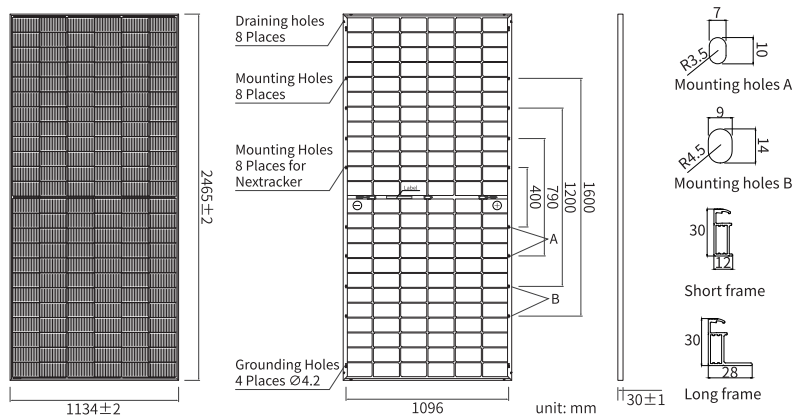
30-year linear power output warranty

Comprehensive Certificates

- IEC 61215, IEC 61730, 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



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, 3 diodes
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, 576pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB	JAM72D42 -655/LB	JAM72D42 -660/LB
Rated Maximum Power(P _{max}) [W]	635	640	645	650	655	660
Open Circuit Voltage (V _{oc}) [V]	52.67	52.87	53.07	53.27	53.47	53.67
Maximum Power Voltage(V _{mp}) [V]	44.10	44.29	44.49	44.67	44.86	45.09
Short Circuit Current(I _{sc}) [A]	15.26	15.31	15.36	15.41	15.50	15.54
Maximum Power Current(I _{mp}) [A]	14.40	14.45	14.50	14.55	14.60	14.64
Module Efficiency [%]	22.7	22.9	23.1	23.3	23.4	23.6
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})	-0.290%/°C					
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G					

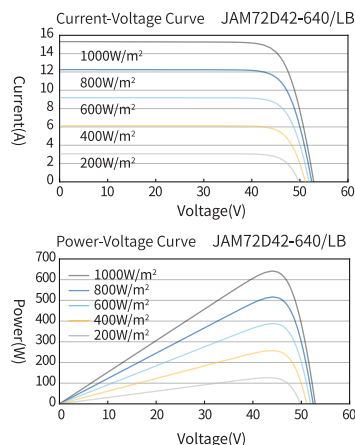
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB	JAM72D42 -655/LB	JAM72D42 -660/LB
Rated Max Power(P _{max}) [W]	686	691	697	702	707	718
Open Circuit Voltage(V _{oc}) [V]	52.67	52.87	53.07	53.27	53.47	53.67
Max Power Voltage(V _{mp}) [V]	44.10	44.29	44.49	44.67	44.86	45.09
Short Circuit Current(I _{sc}) [A]	16.48	16.53	16.59	16.64	16.70	16.74
Max Power Current(I _{mp}) [A]	15.55	15.61	15.66	15.71	15.77	15.81
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	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