

Harvest the Sunshine

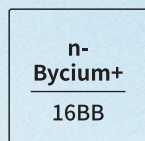
640W



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



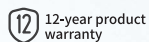
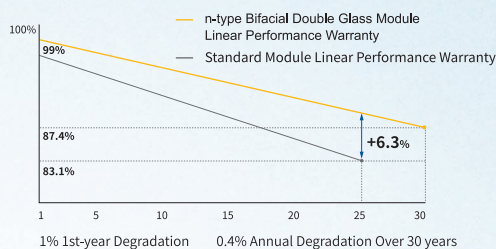
n-type with very Lower LID



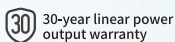
Better Temperature Coefficient



Better low irradiance response



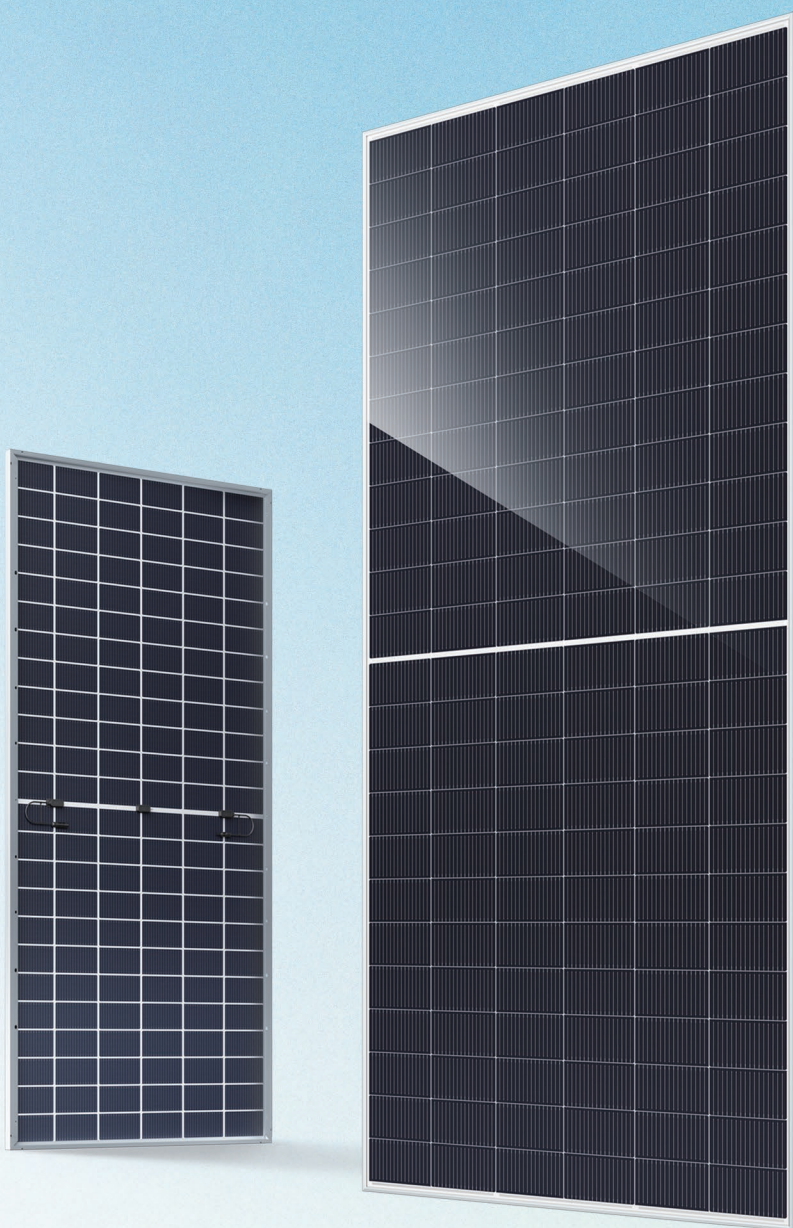
12-year product warranty



30-year linear power output warranty

Comprehensive Certificates

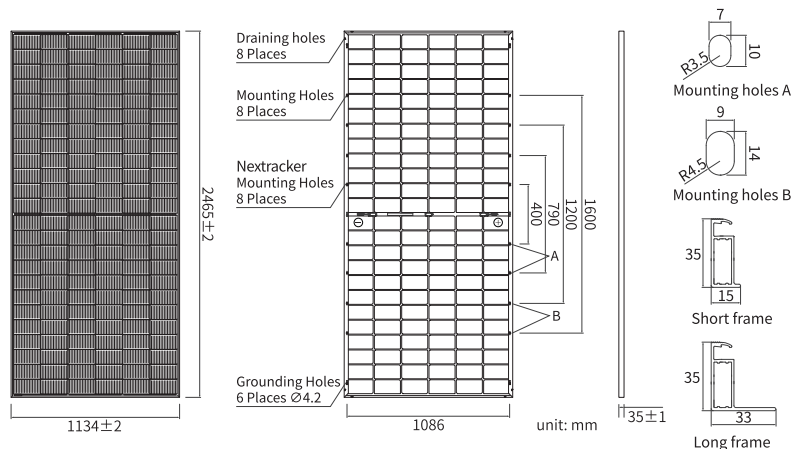
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

JAM72D42 LB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	34.6kg
Dimensions	2465±2mm×1134±2mm×35±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
Cable Length (Including Connector)	1500mm(+)/1500mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	31pcs/Pallet, 496pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D42 615/LB	JAM72D42 620/LB	JAM72D42 625/LB	JAM72D42 630/LB	JAM72D42 635/LB	JAM72D42 640/LB
Rated Maximum Power(P _{max}) [W]	615	620	625	630	635	640
Open Circuit Voltage (V _{oc}) [V]	51.87	52.07	52.27	52.47	52.67	52.87
Maximum Power Voltage(V _{mp}) [V]	43.31	43.51	43.71	43.90	44.10	44.29
Short Circuit Current(I _{sc}) [A]	15.06	15.11	15.16	15.21	15.26	15.31
Maximum Power Current(I _{mp}) [A]	14.20	14.25	14.30	14.35	14.40	14.45
Module Efficiency [%]	22.0	22.2	22.4	22.5	22.7	22.9
Power Tolerance	0~+5W					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.046%/°C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.260%/°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.

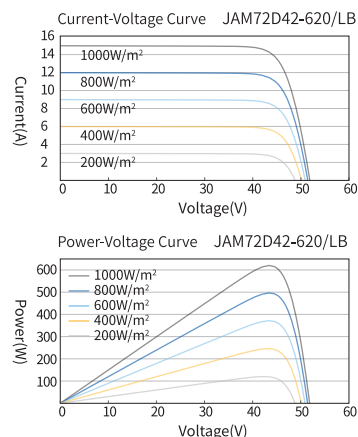
ELECTRICAL CHARACTERISTICS WITH5% BACKSIDE POWER GAIN

TYPE	JAM72D42 615/LB	JAM72D42 620/LB	JAM72D42 625/LB	JAM72D42 630/LB	JAM72D42 635/LB	JAM72D42 640/LB
Rated Max Power(P _{max}) [W]	646	651	656	662	667	672
Open Circuit Voltage(V _{oc}) [V]	51.87	52.07	52.27	52.47	52.67	52.87
Max Power Voltage(V _{mp}) [V]	43.31	43.51	43.71	43.90	44.10	44.29
Short Circuit Current(I _{sc}) [A]	15.81	15.87	15.92	15.97	16.02	16.08
Max Power Current(I _{mp}) [A]	14.91	14.96	15.02	15.07	15.12	15.17
Backside Power Gain	5%					

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

** Bifaciality=P_{max}, rear/Rated P_{max}, front

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%±10%
Fire Performance	UL Type 29