

Harvest the Sunshine

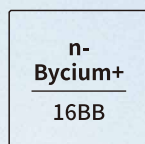
630W



JA SOLAR

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



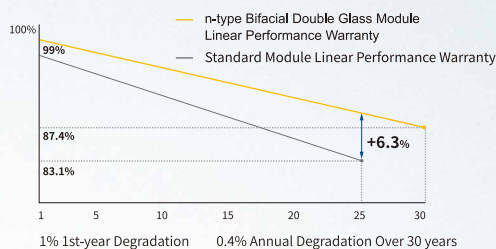
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response

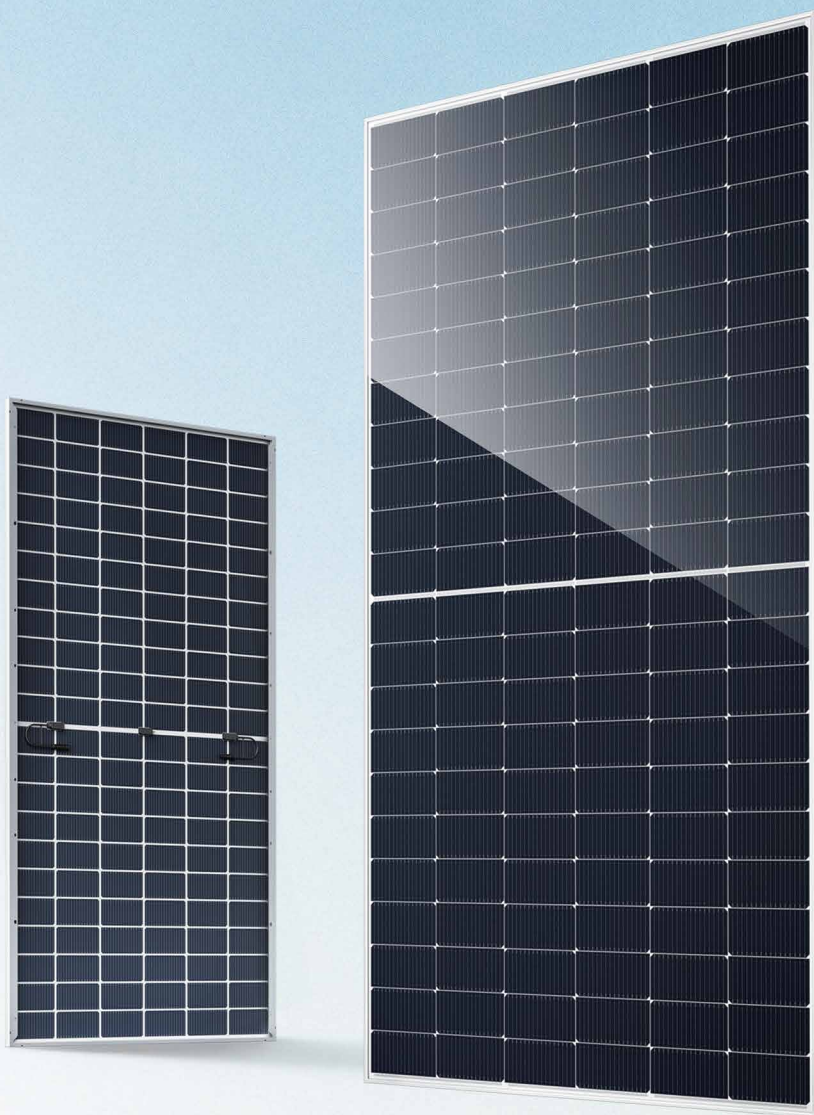


12-year product
warranty

30-year linear power
output warranty

Comprehensive Certificates

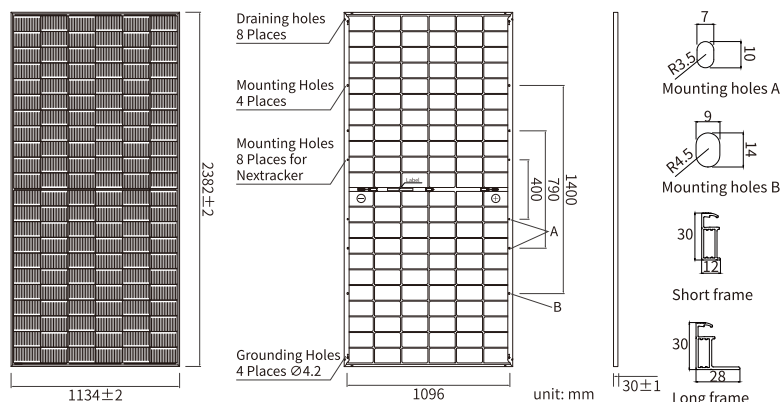
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



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: 400mm(+)/200mm(-) Landscape: 1400mm(+)/1400mm(-)
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 -605/LB	JAM66D45 -610/LB	JAM66D45 -615/LB	JAM66D45 -620/LB	JAM66D45 -625/LB	JAM66D45 -630/LB
Rated Maximum Power(Pmax) [W]	605	610	615	620	625	630
Open Circuit Voltage (Voc) [V]	47.90	48.10	48.30	48.50	48.70	48.90
Maximum Power Voltage(Vmp) [V]	39.60	39.77	39.96	40.21	40.45	40.70
Short Circuit Current(Isc) [A]	16.00	16.05	16.10	16.13	16.15	16.18
Maximum Power Current(Imp) [A]	15.28	15.34	15.39	15.42	15.45	15.48
Module Efficiency [%]	22.4	22.6	22.8	23.0	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/m², cell temperature 25°C, AM1.5G					

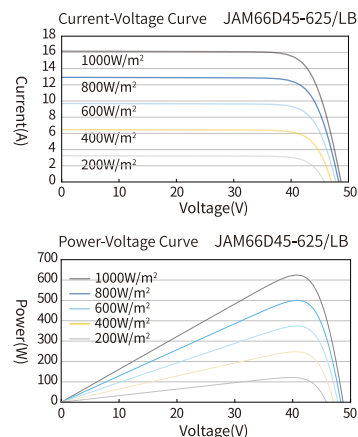
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM66D45 -605/LB	JAM66D45 -610/LB	JAM66D45 -615/LB	JAM66D45 -620/LB	JAM66D45 -625/LB	JAM66D45 -630/LB
Rated Max Power(Pmax) [W]	653	659	664	670	675	680
Open Circuit Voltage(Voc) [V]	47.90	48.10	48.30	48.50	48.70	48.90
Max Power Voltage(Vmp) [V]	39.60	39.77	39.96	40.21	40.45	40.70
Short Circuit Current(Isc) [A]	17.28	17.33	17.39	17.42	17.44	17.47
Max Power Current(Imp) [A]	16.50	16.56	16.62	16.65	16.69	16.72
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	35A
Maximum Static Load, Front*	5400Pa(112 lb/ft²)
Maximum Static Load, Back*	2400Pa(50 lb/ft²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C



Headquarters

No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road,
Fengtai District, Beijing
Tel: +86 10 6361 1888 Fax: +86 10 6361 9999
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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

Version No. : Global-EN-20250625A

Harvest the Sunshine

650W

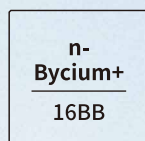


JA SOLAR

Preliminary Version

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



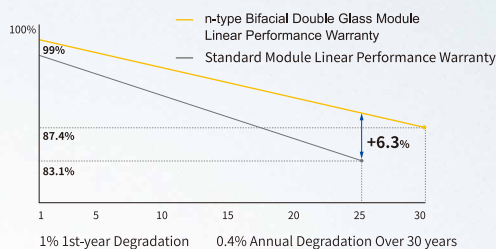
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response

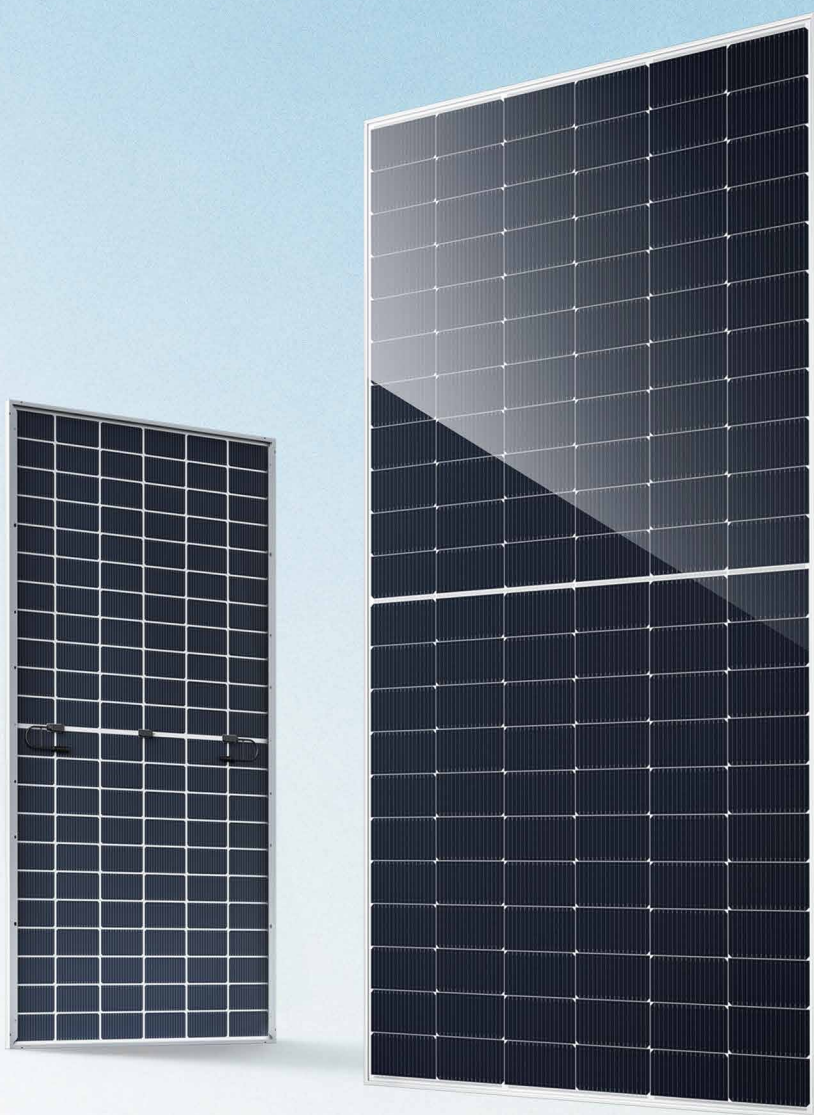


12-year product
warranty

30-year linear power
output warranty

Comprehensive Certificates

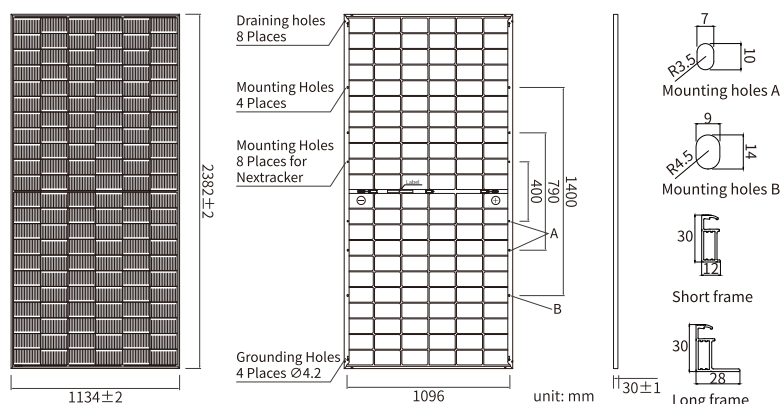
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- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



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: 400mm(+)/200mm(-) Landscape: 1400mm(+)/1400mm(-)
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 -625/LB	JAM66D45 -630/LB	JAM66D45 -635/LB	JAM66D45 -640/LB	JAM66D45 -645/LB	JAM66D45 -650/LB
Rated Maximum Power(P _{max}) [W]	625	630	635	640	645	650
Open Circuit Voltage (V _{oc}) [V]	48.70	48.90	49.10	49.39	49.68	49.97
Maximum Power Voltage(V _{mp}) [V]	40.45	40.70	40.94	41.20	41.43	41.67
Short Circuit Current(I _{sc}) [A]	16.15	16.18	16.21	16.24	16.27	16.30
Maximum Power Current(I _{mp}) [A]	15.45	15.48	15.51	15.54	15.57	15.60
Module Efficiency [%]	23.1	23.3	23.5	23.7	23.9	24.1
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/m², cell temperature 25°C, AM1.5G					

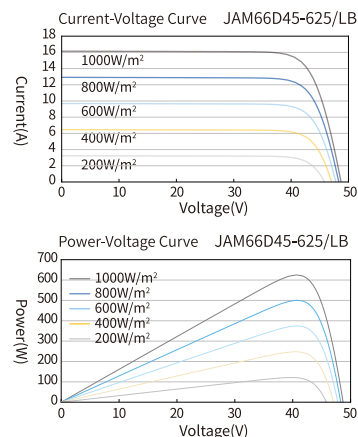
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ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM66D45 -625/LB	JAM66D45 -630/LB	JAM66D45 -635/LB	JAM66D45 -640/LB	JAM66D45 -645/LB	JAM66D45 -650/LB
Rated Max Power(P _{max}) [W]	675	680	686	691	697	702
Open Circuit Voltage(V _{oc}) [V]	48.70	48.90	49.10	49.39	49.68	49.97
Max Power Voltage(V _{mp}) [V]	40.45	40.70	40.94	41.20	41.43	41.67
Short Circuit Current(I _{sc}) [A]	17.44	17.47	17.51	17.54	17.57	17.60
Max Power Current(I _{mp}) [A]	16.69	16.72	16.75	16.78	16.82	16.85
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	35A
Maximum Static Load, Front*	5400Pa(112 lb/ft²)
Maximum Static Load, Back*	2400Pa(50 lb/ft²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C



Headquarters

No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road,
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Tel: +86 10 6361 1888 Fax: +86 10 6361 9999
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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Version No. : Global-EN-20250701C

Harvest the Sunshine

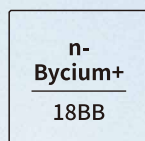
JA SOLAR

720W



JAM66D46 LB n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



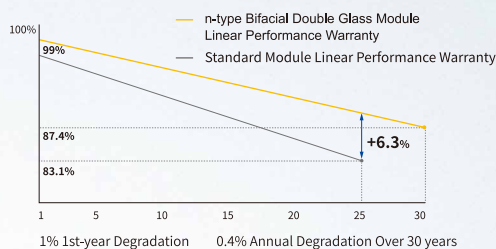
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



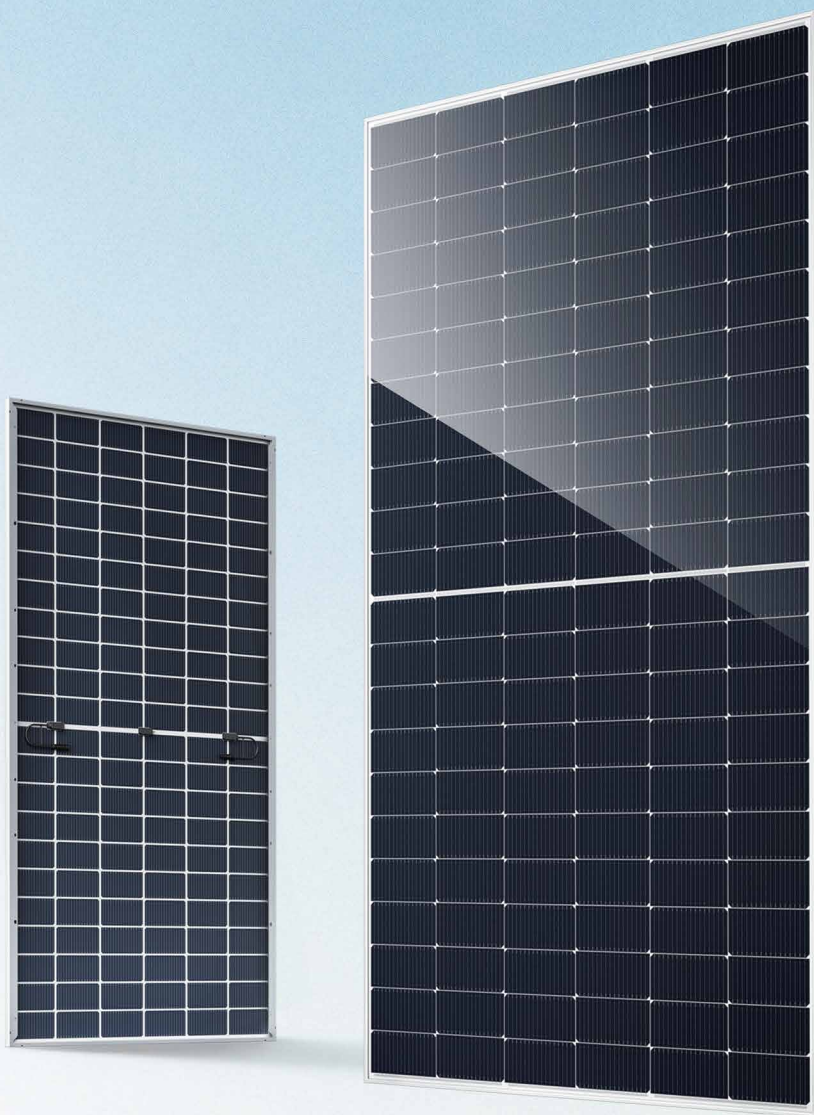
12-year product
warranty



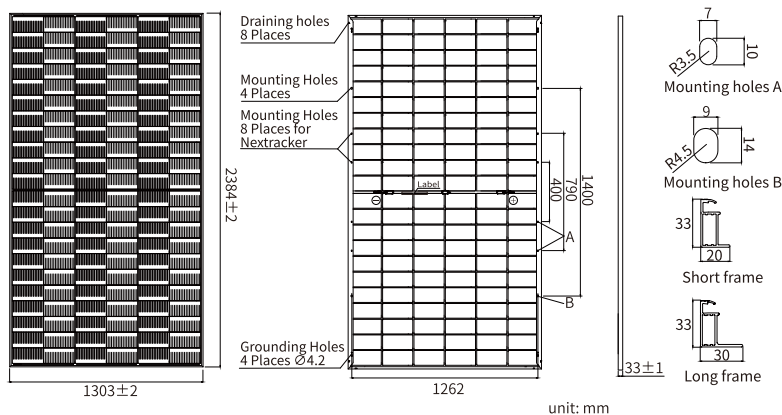
30-year linear power
output warranty

Comprehensive Certificates

- IEC 61215, IEC 61730
- 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	38.2kg
Dimensions	2384±2mm×1303±2mm×33±1mm
Cable Cross Section Size	4mm ² (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(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	33pcs/Pallet, 594pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM66D46 -695/LB	JAM66D46 -700/LB	JAM66D46 -705/LB	JAM66D46 -710/LB	JAM66D46 -715/LB	JAM66D46 -720/LB
Rated Maximum Power(P _{max}) [W]	695	700	705	710	715	720
Open Circuit Voltage(V _{oc}) [V]	48.00	48.20	48.40	48.60	48.80	49.00
Maximum Power Voltage(V _{mp}) [V]	40.22	40.42	40.61	40.80	41.00	41.19
Short Circuit Current(I _{sc}) [A]	18.39	18.43	18.47	18.51	18.55	18.59
Maximum Power Current(I _{mp}) [A]	17.28	17.32	17.36	17.40	17.44	17.48
Module Efficiency[%]	22.4	22.5	22.7	22.9	23.0	23.2
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					

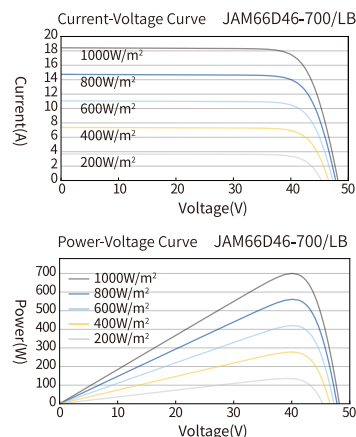
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM66D46 -695/LB	JAM66D46 -700/LB	JAM66D46 -705/LB	JAM66D46 -710/LB	JAM66D46 -715/LB	JAM66D46 -720/LB
Rated Max Power(P _{max}) [W]	751	756	761	767	772	778
Open Circuit Voltage(V _{oc}) [V]	48.00	48.20	48.40	48.60	48.80	49.00
Max Power Voltage(V _{mp}) [V]	40.22	40.42	40.61	40.80	41.00	41.19
Short Circuit Current(I _{sc}) [A]	19.86	19.90	19.95	19.99	20.03	20.08
Max Power Current(I _{mp}) [A]	18.66	18.71	18.75	18.79	18.84	18.88
Irradiation Ratio (rear/front)	10%					

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

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/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

Harvest the Sunshine

615W

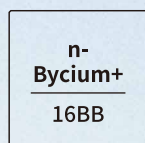


JA SOLAR

JAM72D40 LB

n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



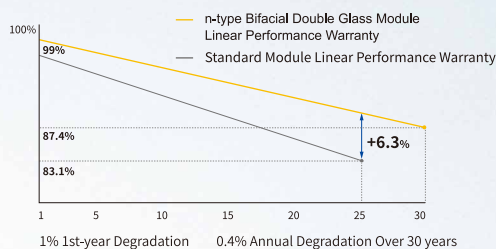
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response

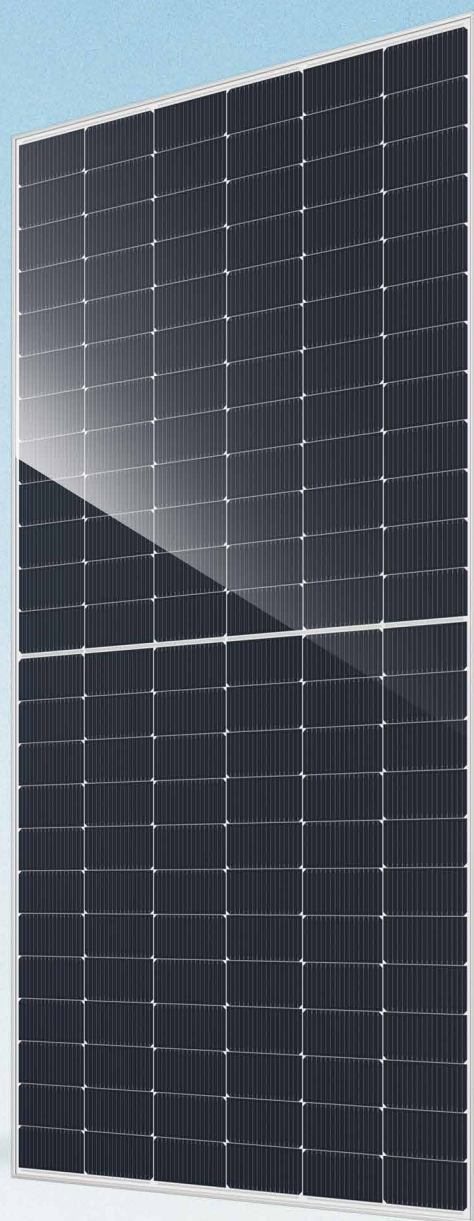


12-year product
warranty

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



Cell	Mono
Weight	32.5kg
Dimensions	2333±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-EV02A
Cable Length (Including Connector)	Portrait: 400mm(+)/200mm(-) Landscape: 1400mm(+)/1400mm(-)
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

	JAM72D40	JAM72D40	JAM72D40	JAM72D40	JAM72D40	JAM72D40
TYPE	-590/LB	-595/LB	-600/LB	-605/LB	-610/LB	-615/LB
Rated Maximum Power(Pmax) [W]	590	595	600	605	610	615
Open Circuit Voltage (Voc) [V]	52.00	52.20	52.40	52.60	52.80	53.00
Maximum Power Voltage(Vmp) [V]	43.41	43.59	43.76	43.94	44.11	44.28
Short Circuit Current(Isc) [A]	14.35	14.42	14.48	14.53	14.57	14.61
Maximum Power Current(Imp) [A]	13.59	13.65	13.71	13.77	13.83	13.89
Module Efficiency [%]	22.3	22.5	22.7	22.9	23.1	23.2
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})	-0.290%/°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.

	JAM72D40	JAM72D40	JAM72D40	JAM72D40	JAM72D40	JAM72D40
TYPE	-590/LB	-595/LB	-600/LB	-605/LB	-610/LB	-615/LB
Rated Max Power(Pmax) [W]	637	643	648	653	659	664
Open Circuit Voltage(Voc) [V]	52.00	52.20	52.40	52.60	52.80	53.00
Max Power Voltage(Vmp) [V]	43.41	43.59	43.76	43.94	44.11	44.28
Short Circuit Current(Isc) [A]	15.50	15.57	15.64	15.69	15.74	15.78
Max Power Current(Imp) [A]	14.68	14.74	14.81	14.87	14.94	15.00
Irradiation Ratio (rear/front)	10%					

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

Figure 10 consists of two graphs for the JAM72D40-590/LB device. The top graph, titled 'Current-Voltage Curve', plots Current (A) on the y-axis (0 to 16) against Voltage (V) on the x-axis (0 to 60). It shows five curves for different irradiance levels: 1000 W/m² (black), 800 W/m² (dark blue), 600 W/m² (medium blue), 400 W/m² (yellow), and 200 W/m² (grey). The bottom graph, titled 'Power-Voltage Curve', plots Power (W) on the y-axis (0 to 600) against Voltage (V) on the x-axis (0 to 60). It shows five curves for the same irradiance levels, each peaking at approximately 45V. The peak power increases with irradiance, reaching nearly 600W at 1000 W/m².

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front*	5400Pa(112 lb/ft²)
Maximum Static Load, Back*	2400Pa(50 lb/ft²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

Harvest the Sunshine

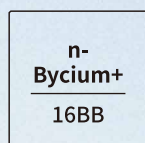
650W



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



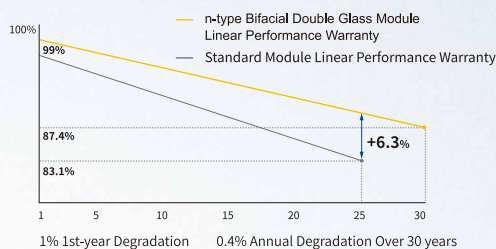
n-type with very Lower LID



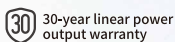
Better Temperature Coefficient



Better low irradiance response



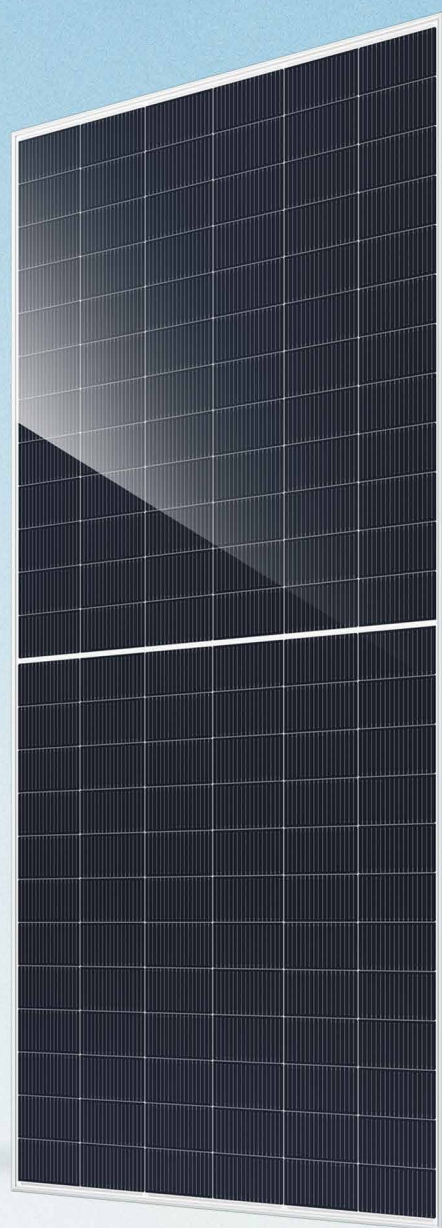
12-year product warranty



30-year linear power output warranty

Comprehensive Certificates

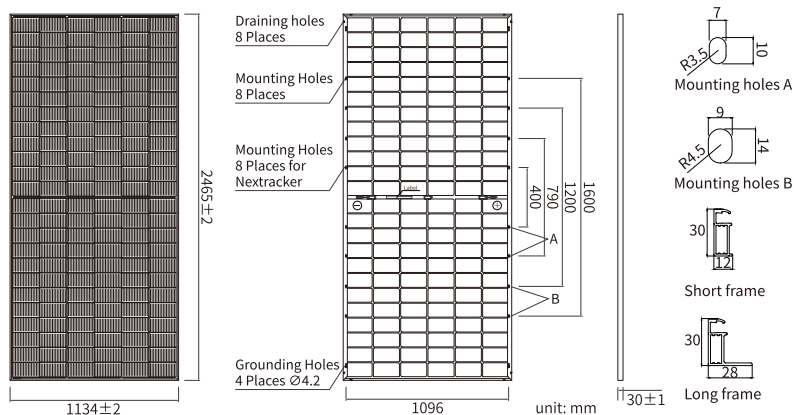
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- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



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×30±1mm
Cable Cross Section Size	4mm²(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 -625/LB	JAM72D42 -630/LB	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB
Rated Maximum Power(P _{max}) [W]	625	630	635	640	645	650
Open Circuit Voltage (V _{oc}) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Maximum Power Voltage(V _{mp}) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short Circuit Current(I _{sc}) [A]	15.16	15.21	15.26	15.31	15.36	15.41
Maximum Power Current(I _{mp}) [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 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/m², cell temperature 25°C, AM1.5G					

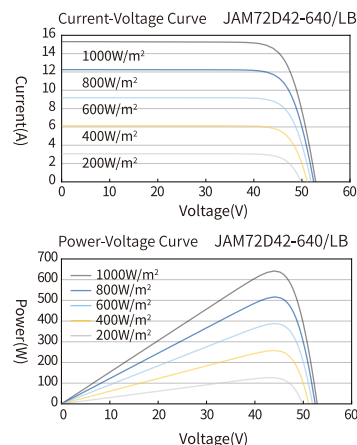
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D42 -625/LB	JAM72D42 -630/LB	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB
Rated Max Power(P _{max}) [W]	675	680	686	691	697	702
Open Circuit Voltage(V _{oc}) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Max Power Voltage(V _{mp}) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short Circuit Current(I _{sc}) [A]	16.37	16.43	16.48	16.53	16.59	16.64
Max Power Current(I _{mp}) [A]	15.44	15.50	15.55	15.61	15.66	15.71
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/ft²)
Maximum Static Load, Back*	2400Pa(50 lb/ft²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C



Headquarters

No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road,
Fengtai District, Beijing
Tel: +86 10 6361 1888 Fax: +86 10 6361 9999
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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

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