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YOURSUN New Energy Development(Hangzhou)Co.,Ltd

Pioneer of efficient solar technology

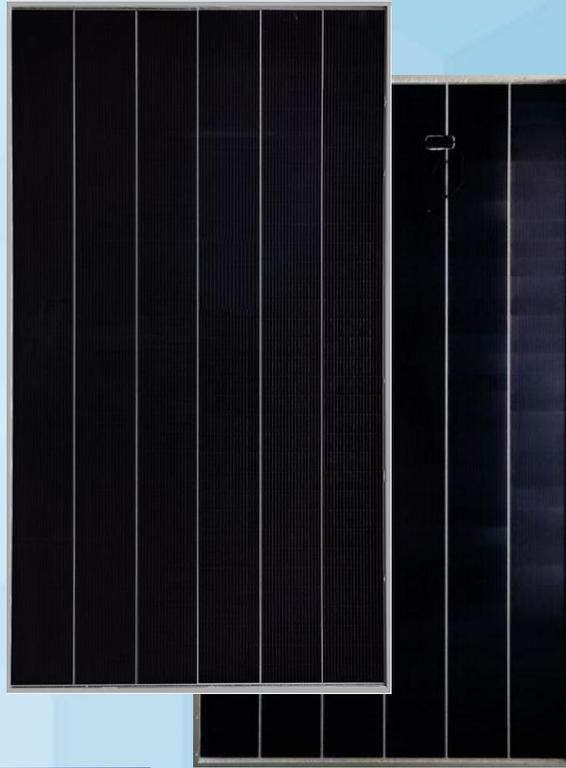
Safety·Intelligence·Efficiency·Aesthetics



HangZhou China



SFBC-23N68D
Bifacial Dual-Glass
Module
610-635W



Trisection Cut

Better light utilization and current collection capabilities to effectively improve product power output and reliability

PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

Extreme Aesthetics

The product has smooth appearance and scientific beauty

Hot-spot Resistance

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient

Proprietary Packaging

The optimized parallel series circuit design reduces shadow occlusion loss, and the maximum component efficiency is 23.51%

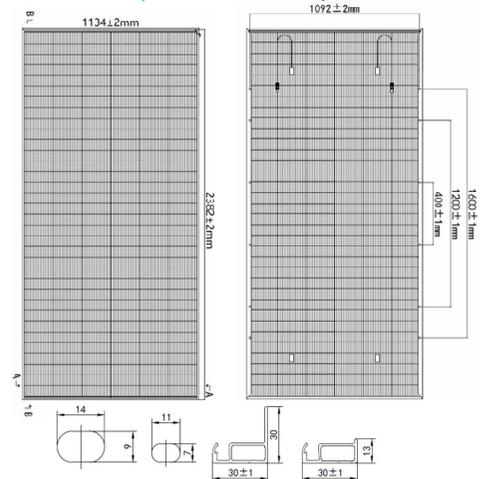
High Applicability

Perfectly compatible with PERC, TOPCon, HJT and BC technologies

Smart Surveillance (optional)

Integrated with self-developed embedded chips, capable of monitoring the operational status of components and performing corresponding shutdown/startup procedures

23.51% MAX MODULE EFFICIENCY | 25-YEARS POWER OUTPUT WARRANTY | 1% FIRST YEAR POWER DEGRADATION | -0.4% YEAR 2-30 POWER DEGRADATION | Trisection cell LOWER OPERATING TEMPERATURE



Mechanical Parameters

Solar Cell Type	N-type TOPCon technology, triple-cell
Cell Orientation	68
Dimension	2382*1134*30mm
Weight	32.0kg
Glass	2.0mm high-transmission tempered glass with anti-reflective coating 2.0mm heat-strengthened glass
Frame	Steel/Aluminum profiles
Junction Box	IP68 rated, 3 bypass diodes
Cable	4.0mm ² Customization or standard 400mm
Packaging	2492mm × 1115 mm × 1251 mm per pallet 36pcs per pallet; 20pallets/40HQ; 720pcs/40HQ;

Temperature Ratings

Nominal Operating Cell Temperature	45 ± 2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C

Maximum Ratings

Operational Temperature	-40 ~ +70°C
Bifaciality	φVoc: 98 ± 5%, φIsc: 80 ± 5%, φPmax: 80 ± 5%
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A

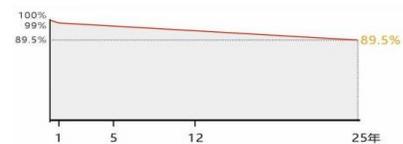
Electrical Characteristics

Maximum Power (Pmax/W)	610	615	620	625	630	635
Voltage at Maximum Power (Vmp/V)	42.33	42.53	42.73	42.94	43.14	43.35
Current at Maximum Power (Imp/A)	14.41	14.46	14.51	14.56	14.60	14.65
Open Circuit Voltage (Voc/V)	49.90	50.11	50.31	50.51	50.72	50.92
Short Circuit Current (Isc/A)	15.04	15.09	15.14	15.18	15.23	15.27
Module Efficiency (%)	22.58	22.77	22.95	23.14	23.32	23.51

Electrical Characteristics (BNPI)

Maximum Power (Pmax/W)	640	645	650	655	660	665
Voltage at Maximum Power (Vmp/V)	42.31	42.51	42.71	42.92	43.12	43.33
Current at Maximum Power (Imp/A)	15.12	15.17	15.21	15.26	15.31	15.35
Open Circuit Voltage (Voc/V)	49.88	50.09	50.29	50.49	50.70	50.90
Short Circuit Current (Isc/A)	15.77	15.82	15.87	15.92	15.96	16.01

Linear Power Output Warranty



Product Certifications

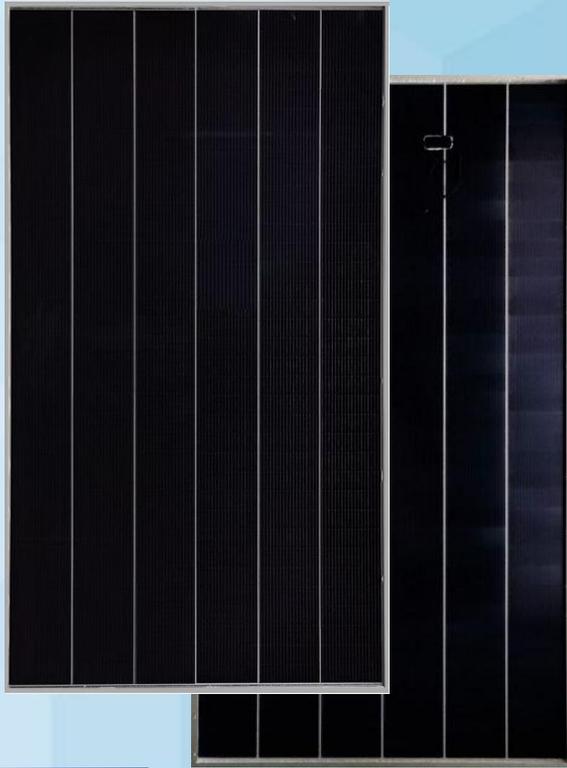
- IEC61215(2016) | IEC61730(2016)
- ISO9001: 2015: Management System
- ISO14001: 2015: ISO Environment Management System
- ISO45001: 2018: Occupational Health and Safety



SFBC-24N70D

Bifacial Dual-Glass Module

625-650W



Trisection Cut

Better light utilization and current collection capabilities to effectively improve product power output and reliability

PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

Extreme Aesthetics

The product has smooth appearance and scientific beauty

Hot-spot Resistance

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature control

Proprietary Packaging

The optimized parallel series circuit design reduces shadow occlusion loss, and the maximum component efficiency is 23.25%

High Applicability

Perfectly compatible with PERC, TOPCon, HJT and BC technologies

Smart Surveillance (optional)

Integrated with self-developed embedded chips, capable of monitoring the operational status of components and performing corresponding shutdown/startup procedures

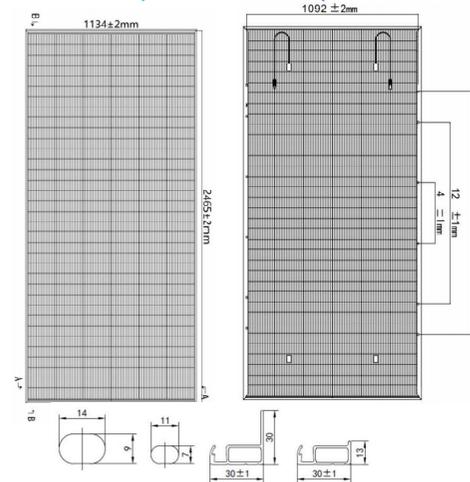
23.25%
MAX MODULE
EFFICIENCY

25-YEARS
POWER OUTPUT
WARRANTY

1%
FIRST YEAR POWER
DEGRADATION

- 0.4%
YEAR 2-30 POWER
DEGRADATION

Trisection cell
LOWER OPERATING
TEMPERATURE



Mechanical Parameters

Solar Cell Type	N-type TOPCon technology, triple-cell
Cell Orientation	70
Dimension	2465*1134*30mm
Weight	34.0kg
Glass	2.0mm high-transmission tempered glass with anti-reflective coating 2.0mm heat-strengthened glass
Frame	Steel/Aluminum profiles
Junction Box	IP68 rated, 3 bypass diodes
Output Cable	TÜV 1*4.0mm ² ; (+): 400mm, (-): 400mm; length can be customized
Packaging	2525mm * 1115 mm * 1251 mm per pallet 36pcs per pallet: 1254.1Kg 16pallets/40HQ; 576pcs/40HQ;

Temperature Ratings

Nominal Operating Cell Temperature	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C

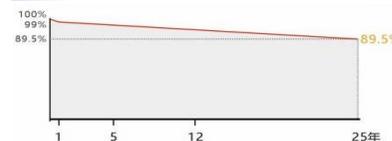
Electrical Characteristics

Maximum Power (Pmax/W)	625	630	635	640	645	650
Voltage at Maximum Power (Vmp/V)	43.36	43.57	43.78	43.99	44.20	44.41
Current at Maximum Power (Imp/A)	14.43	14.47	14.51	14.56	14.60	14.64
Open Circuit Voltage (Voc/V)	51.16	51.37	51.58	51.79	52.00	52.21
Short Circuit Current (Isc/A)	15.05	15.09	15.14	15.18	15.23	15.28
Module Efficiency (%)	22.36	22.54	22.72	22.90	23.07	23.25

Electrical Characteristics (BNPI)

Maximum Power (Pmax/W)	653	658	664	669	674	679
Voltage at Maximum Power (Vmp/V)	43.34	43.55	43.76	43.97	44.18	44.39
Current at Maximum Power (Imp/A)	15.07	15.12	15.17	15.21	15.26	15.30
Open Circuit Voltage (Voc/V)	51.14	51.35	51.56	51.77	51.98	52.19
Short Circuit Current (Isc/A)	15.73	15.77	15.82	15.87	15.92	15.96

Linear Power Output Warranty



12-years product Warranty | 25-year linear power output warranty | 0.4% annual degradation rate

Product Certifications

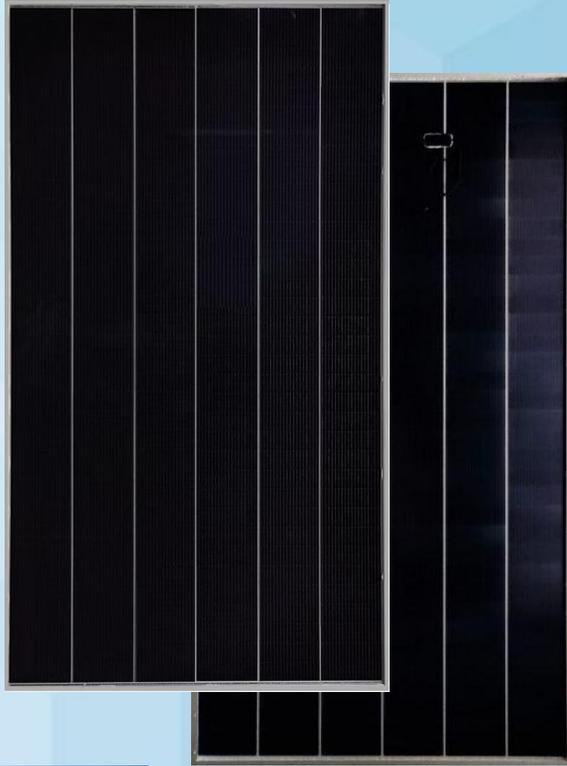
- IEC61215(2016) | IEC61730(2016)
- ISO9001: 2015: Management System
- ISO14001: 2015: ISO Environment Management System
- ISO45001: 2018: Occupational Health and Safety



SFBC-17N50D

Bifacial Dual-Glass Module

450-470W



Trisection Cut

Better light utilization and current collection capabilities to effectively improve product power output and reliability

PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

Extreme Aesthetics

The product has smooth appearance and scientific beauty

Hot-spot Resistance

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature control

Proprietary Packaging

The optimized parallel series circuit design reduces shadow occlusion loss, and the maximum component efficiency is 23.52%

High Applicability

Perfectly compatible with PERC, TOPCon, HJT and BC technologies

Smart Surveillance (optional)

Integrated with self-developed embedded chips, capable of monitoring the operational status of components and performing corresponding shutdown/startup procedures

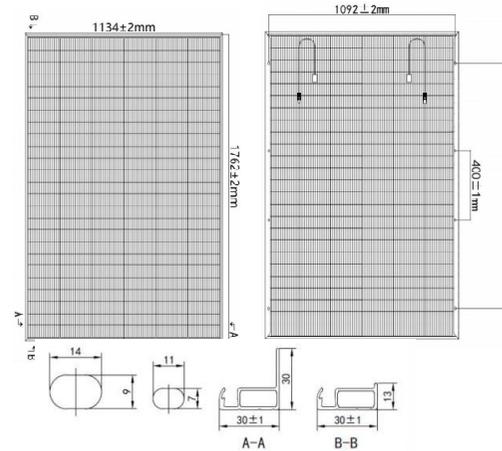
23.52%
MAX MODULE
EFFICIENCY

25-YEARS
POWER OUTPUT
WARRANTY

1%
FIRST YEAR POWER
DEGRADATION

- 0.4%
YEAR 2-30 POWER
DEGRADATION

Trisection cell
LOWER OPERATING
TEMPERATURE



Mechanical Parameters

Solar Cell Type	N-type TOPCon technology, triple-cell
Cell Orientation	50
Dimension	1762*1134*30mm
Weight	22.0kg
Glass	2.0mm high-transmission tempered glass with anti-reflective coating 2.0mm heat-strengthened glass
Frame	Steel/Aluminum profiles
Junction Box	IP68 rated, 3 bypass diodes
Cable	4.0mm ² Customization or standard 400mm
Packaging	1792 × 1115 mm × 1251 mm per pallet 36pcs per pallet 26pallets/40HQ; 936pcs/40HQ;

Temperature Ratings

Nominal Operating Cell Temperature	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C

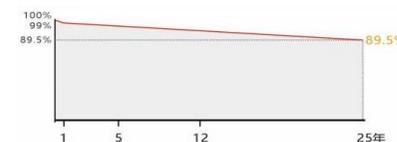
Electrical Characteristics

Maximum Power (Pmax/W)	450	455	460	465	470
Voltage at Maximum Power (Vmp/V)	31.27	31.42	31.72	31.87	32.02
Current at Maximum Power (Imp/A)	14.39	14.48	14.50	14.59	14.68
Open Circuit Voltage (Voc/V)	36.84	36.99	37.29	37.44	37.59
Short Circuit Current (Isc/A)	15.02	15.11	15.12	15.21	15.29
Module Efficiency (%)	22.52	22.77	23.02	23.27	23.52

Electrical Characteristics (BNPI)

Maximum Power (Pmax/W)	472	475	479	483	487	490
Voltage at Maximum Power (Vmp/V)	31.25	31.40	31.55	31.70	31.85	32.00
Current at Maximum Power (Imp/A)	15.09	15.14	15.19	15.23	15.28	15.32
Open Circuit Voltage (Voc/V)	36.82	36.97	37.12	37.27	37.42	37.57
Short Circuit Current (Isc/A)	15.74	15.79	15.84	15.88	15.93	15.98

Linear Power Output Warranty



12-years product Warranty | 25-year linear power output warranty | 0.4% annual degradation rate

Product Certifications

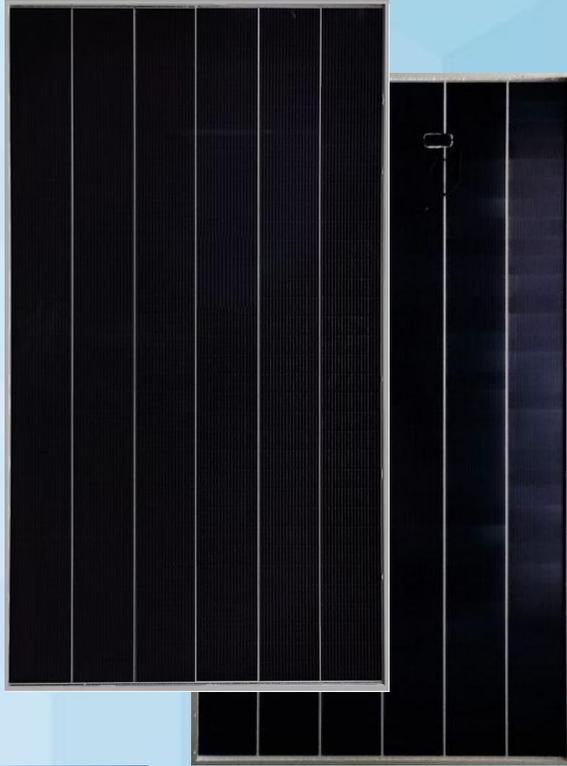
- IEC61215(2016) | IEC61730(2016)
- ISO9001: 2015: Management System
- ISO14001: 2015: ISO Environment Management System
- ISO45001: 2018: Occupational Health and Safety



SFBC-24N70DW-R

Bifacial Dual-Glass Module

735-765W



Trisection Cut

Better light utilization and current collection capabilities to effectively improve product power output and reliability

PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

Extreme Aesthetics

The product has smooth appearance and scientific beauty

Hot-spot Resistance

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient

Proprietary Packaging

The optimized parallel series circuit design reduces shadow occlusion loss, and the maximum component efficiency is 23.52%

High Applicability

Perfectly compatible with PERC, TOPCon, HJT and BC technologies

Smart Surveillance (optional)

Integrated with self-developed embedded chips, capable of monitoring the operational status of components and performing corresponding shutdown/startup procedures

SFBC-24N70DW-R

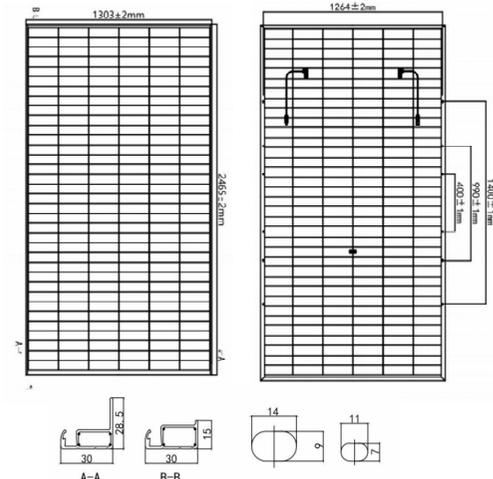
23.82%
MAX MODULE
EFFICIENCY

25-YEARS
POWER OUTPUT
WARRANTY

1%
FIRST YEAR POWER
DEGRADATION

- 0.4%
YEAR 2-30 POWER
DEGRADATION

Trisection cell
LOWER OPERATING
TEMPERATURE



Mechanical Parameters

Solar Cell Type	N-type TOPCon technology, triple-cell
Cell Orientation	82
Dimension	2465*1303*30mm
Weight	38.5kg
Glass	2.0mm high-transmission tempered glass with anti-reflective coating 2.0mm heat-strengthened glass
Frame	Steel/Aluminum profiles
Junction Box	IP68 rated, 3 bypass diodes
Cable	4.0mm ² Customization or standard 400mm
Packaging	2525 × 1115 mm × 1420 mm per pallet 36pcs per pallet

Temperature Ratings

Nominal Operating Cell Temperature	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C

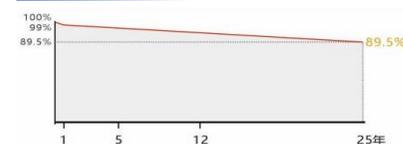
Electrical Characteristics

Maximum Power (Pmax/W)	735	740	745	750	755	760	765
Voltage at Maximum Power (Vmp/V)	50.79	51.04	51.29	51.53	51.78	52.02	52.27
Current at Maximum Power (Imp/A)	14.47	14.50	14.53	14.55	14.58	14.61	14.64
Open Circuit Voltage (Voc/V)	59.93	60.18	60.42	60.67	60.91	61.16	61.41
Short Circuit Current (Isc/A)	15.05	15.09	15.14	15.18	15.23	15.28	15.32
Module Efficiency (%)	22.88	23.04	23.20	23.35	23.51	23.66	23.82

Electrical Characteristics (BNPI)

Maximum Power (Pmax/W)	768	773	778	783	789	794	799
Voltage at Maximum Power (Vmp/V)	50.77	51.02	51.27	51.51	51.76	52.00	52.25
Current at Maximum Power (Imp/A)	15.12	15.15	15.18	15.21	15.24	15.27	15.29
Open Circuit Voltage (Voc/V)	59.91	60.16	60.40	60.65	60.89	61.14	61.39
Short Circuit Current (Isc/A)	15.73	15.77	15.82	15.87	15.92	15.96	16.01

Linear Power Output Warranty



12-years product Warranty | 25-year linear power output warranty | 0.4% annual degradation rate

Product Certifications

- IEC61215(2016) | IEC61730(2016)
- ISO9001: 2015: Management System
- ISO14001: 2015: ISO Environment Management System
- ISO45001: 2018: Occupational Health and Safety



