



YOURSUN New Energy Development (Hangzhou) Co., Ltd



Pioneer of efficient solar technology
Safety · Intelligence · Efficiency · Aesthetics



SFBC-PWT725

P-type 540W-570W Trisection

SFBC-NWT725

N-type 560W-600W Trisection

SFBC-NBT542

N-type 420W-460W Trisection

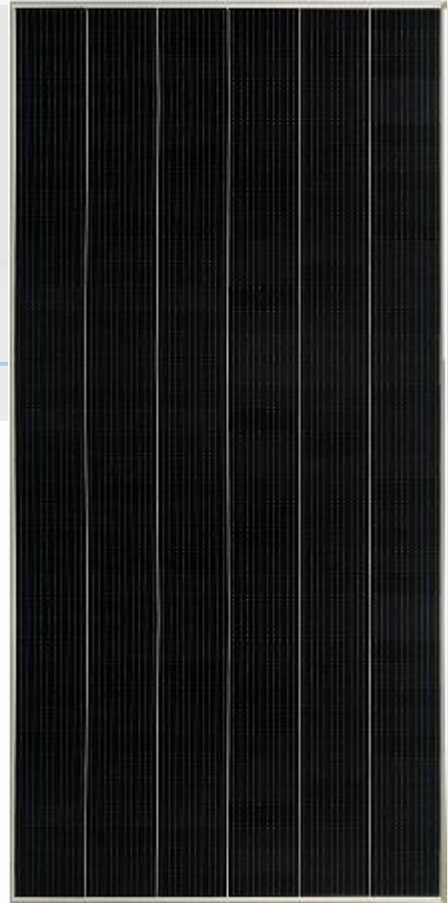
SFBC-NBQ783

N-type 600W-630W Quater

SFBC-PWT725

Mono-Facial Module

540-570 Watt



Key Features



Trisection Cut

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



Reduced Hot Spot Loss

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



Higher Power Output

The optimized parallel series circuit design reduces shadow occlusion loss, and the maximum component efficiency is 22.1.



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.

Comprehensive Products & System Certificates

IEC61215(2016), IEC61730(2016)

ISO9001:2015/Quality management system

ISO14001:2015/Standards for environmental management system

ISO45001:2018/International standards for occupational health&safety

Quality Guarantee



Additional value from Yoursun Solar's linear warranty.



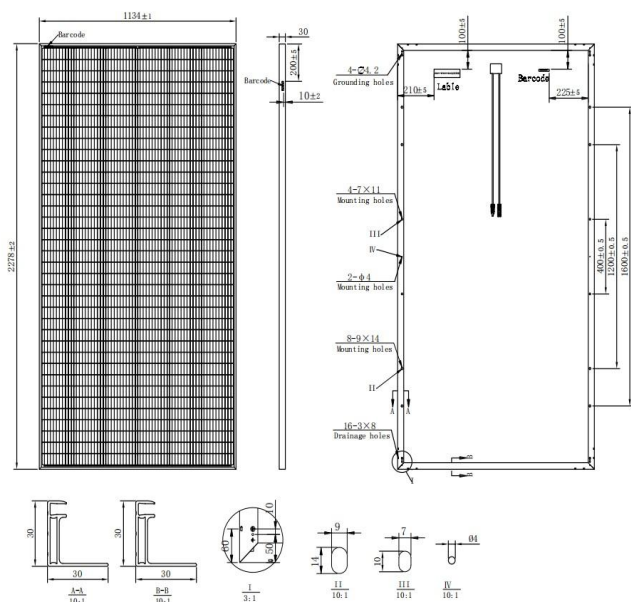
12 year
Quality
Warranty

25 year
Performance
Warranty

-0.55%
Annual
Decay

Mechanical Specifications

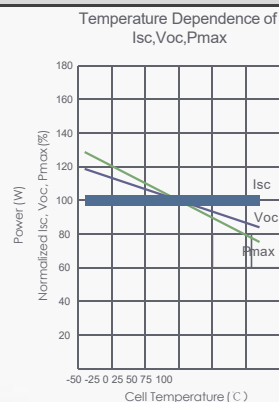
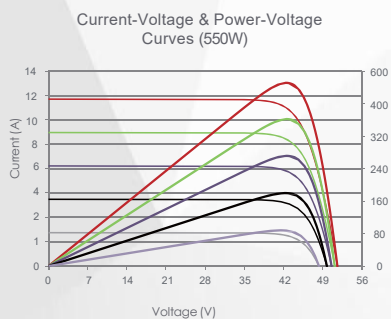
Cell type	P-type mono-crystalline
No. of cells	222 (37 * 6)
Dimensions(L*W*H)	2278 x 1134 x 30mm
Module weight	28kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68
Cable	TÜV 1×4.0mm ² length: (+): 700mm, (-): 700mm; or customizable
Packing	2300 x1110 x1245 mm/pallet 36pcs/pallets ; 1038Kg/pallets 20pallets/40HQ ; 720pcs/40HQ ; 20.76T/40HQ



Specifications

STC Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5, Wind Speed 1m/s

Spec/Model	SFBC-PWT725-540	SFBC-PWT725-545	SFBC-PWT725-550	SFBC-PWT725-555	SFBC-PWT725-560	SFBC-PWT725-565	SFBC-PWT725-570
Max power (Pmax)	540Wp	545Wp	550Wp	555Wp	560Wp	565Wp	570Wp
Maximum Power Voltage (Vmp)	42.45V	42.53V	42.71V	42.88V	43.17V	43.28V	43.38V
Maximum Power Current (Imp)	12.74A	12.82A	12.89A	12.96A	13.01A	13.08A	13.14A
Open-circuit Voltage (Voc)	51.04V	51.04V	51.47V	51.47V	51.51V	51.56V	51.74V
Short-Circuit Current (Isc)	13.32A	13.40A	13.45A	13.46A	13.48A	13.54A	13.77A
Module Efficiency STC (%)	21.00%	21.10%	21.30%	21.50%	21.70%	0.219	22.10%
Operating temperature (°C)	-40°C ~ +85°C				Temperature coefficient of Pmax		-0.35%/°C
Max. system voltage	1500VDC (IEC)				Temperature coefficient of Voc		-0.28%/°C
Maximum series fuse rating	25A				Temperature coefficient of Isc		0.048%/°C
Power tolerance (W)	0 ~ +5W				Nominal Module Operating Temperature (NOCT)		45 ± 2°C



With the technological progress and product update, the technical parameters of our later component products may be different from the technical parameters contained in this specification. The YOURSUN has the right to adjust the technical parameters at any time without notifying the customer. The final interpretation of the technical specification belongs to the YOURSUN. (20231017)

SFBC-NWT725

Mono-Facial Module

560-600 Watt



Key Features



Trisection Cut

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



Reduced Hot Spot Loss

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



Higher Power Output

The optimized parallel series circuit design reduces shadow occlusion loss, and the maximum component efficiency is 23.2.



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.

Comprehensive Products & System Certificates

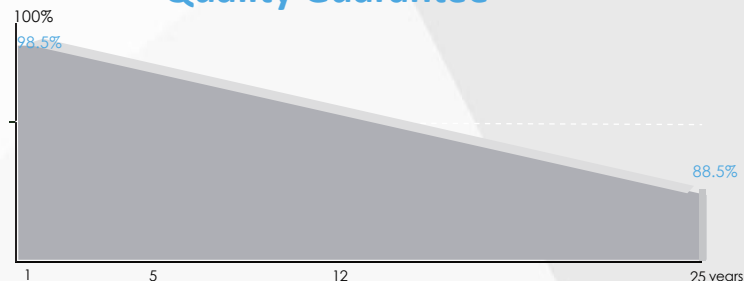
IEC61215(2016), IEC61730(2016)

ISO9001:2015/Quality management system

ISO14001:2015/Standards for environmental management system

ISO45001:2018/International standards for occupational health & safety

Quality Guarantee



Additional value from Yoursun Solar's linear warranty.



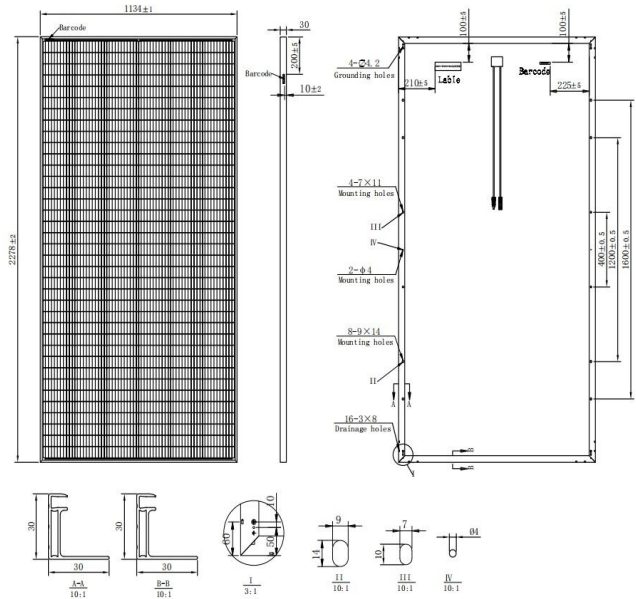
12 year
Quality
Warranty

25 year
Performance
Warranty

-0.55%
Annual
Decay

Mechanical Specifications

Cell type	N-type mono-crystalline
No.of cells	222 (37*6)
Dimensions(L*W*H)	2278 x 1134 x 30mm
Module weight	28kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68
Cable	TÜV 1×4.0mm ² length: (+): 700mm, (-): 700mm; or customizable
	2300 x 1110 x 1245 mm/pallet
Packing	36pcs/pallets ; 1038Kg/pallets 20pallets/40HQ ; 720pcs/40HQ ; 20.76T/40HQ

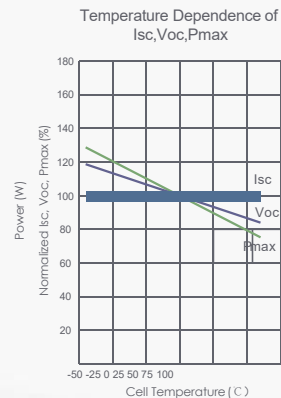
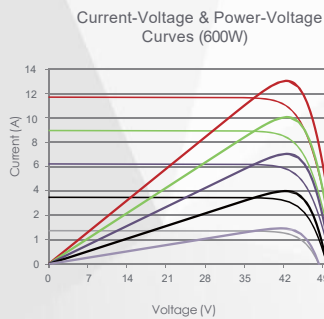


Specifications

STC Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5, Wind Speed 1m/s

Spec/Model	SFBC-NWT725-560	SFBC-NWT725-570	SFBC-NWT725-580	SFBC-NWT725-590	SFBC-NWT725-600
Max power (Pmax)	560W	570W	580W	590W	600W
Maximum Power Voltage (Vmp)	42.82V	43V	43.22V	43.44V	43.6V
Maximum Power Current (Imp)	13.08A	13.26A	13.42A	13.59A	13.76A
Open-circuit Voltage (Voc)	50.99V	51.19V	51.41V	51.63V	51.85V
Short-Circuit Voltage (Isc)	13.89A	14.05A	14.22A	14.38A	14.54A
Module Efficiency STC (%)	21.70%	22.10%	22.40%	22.80%	23.20%
Operating temperature (°C)	-40°C~+85°C		Temperature coefficients of Pmax		-0.35%/°C
Max. system voltage	1500VDC (IEC)		Temperature coefficients of Voc		-0.28%/°C
Maximum series fuse rating	25A		Temperature coefficient of Isc		0.048%/°C
Power tolerance	0~+5W		Nominal Module Operating Temperature(NOCT)		45±2°C

Curve

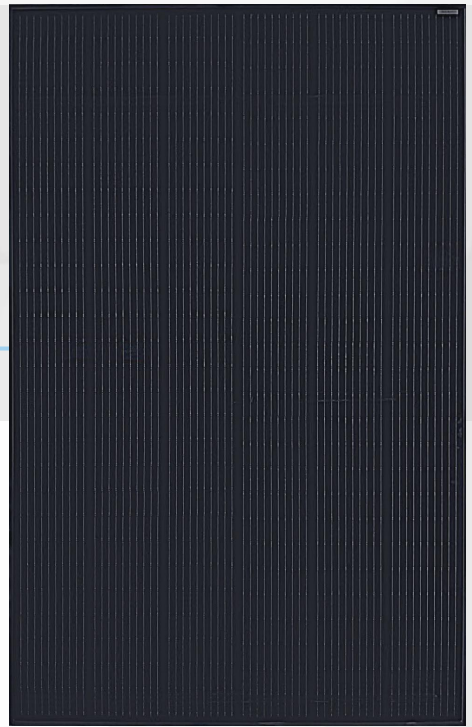


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SFBC-NBT542

Mono-Facial Module

420-460 Watt



Key Features



Trisection Cut

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



Reduced Hot Spot Loss

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



Higher Power Output

The optimized parallel series circuit design reduces shadow occlusion loss, and the maximum component efficiency is 23.6.



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.

Comprehensive Products & System Certificates

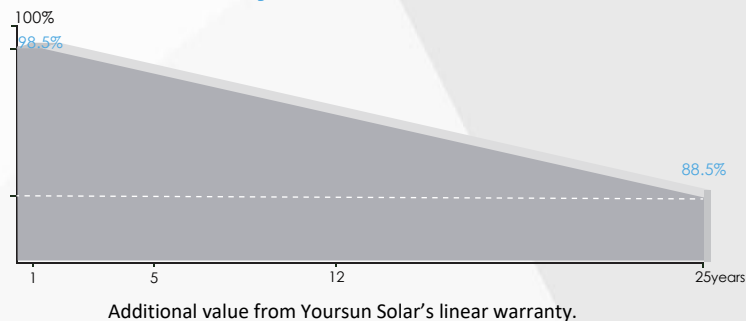
IEC61215(2016), IEC61730(2016)

ISO9001:2015/Quality management system

ISO14001:2015/Standards for environmental management system

ISO45001:2018/International standards for occupational health & safety

Quality Guarantee



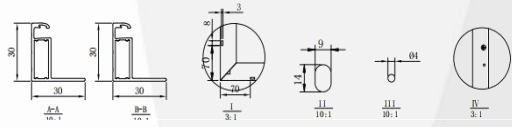
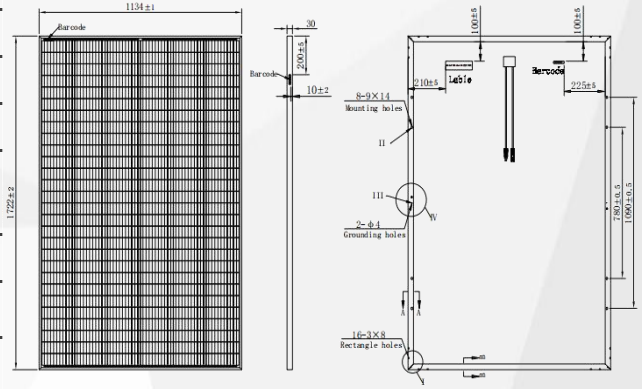
12 year
Quality
Warranty

25 year
Performance
Warranty

-0.55%
Annual
Decay

Mechanical Specifications

Cell type	N-type mono-crystalline
No.of cells	168 (28*6)
Dimensions(L*W*H)	1722 x 1134 x 30mm
Module weight	20.6kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68
Cable	TÜV 1×4.0mm ² length: (+): 700mm, (-): 700mm; or customizable
Packing	1740 x 1110 x 1245 mm/pallet 36pcs/pallets ; 772Kg/pallets 26pallets/40HQ ; 936pcs/40HQ ; 20T/40HQ



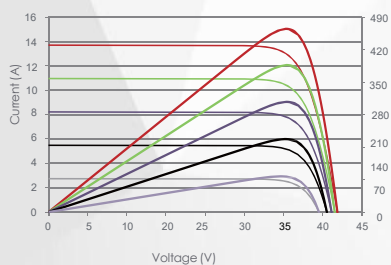
Specifications

STC Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5, Wind Speed 1m/s

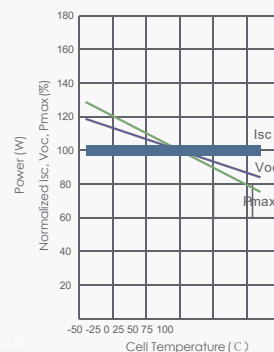
Spec/Model	SFBC-NWT542-420	SFBC-NWT542-430	SFBC-NWT542-440	SFBC-NWT542-450	SFBC-NWT542-460
Max power (Pmax)	420W	430W	440W	450W	460W
Maximum Power Voltage (Vmp)	31.89V	32.48V	33.06V	33.63V	34.2V
Maximum Power Current (Imp)	13.17A	13.24A	13.31A	13.38A	13.45A
Open-circuit Voltage (Voc)	39.33V	39.53V	39.73V	39.93V	40.13V
Short-Circuit Current (Isc)	14.21A	14.29A	14.37A	14.45A	14.52A
Module Efficiency STC (%)	21.50%	22.00%	22.50%	23.00%	23.60%
Operating temperature (°C)	-40°C~+85°C	Temperature coefficients of Pmax			-0.35%/°C
Max. system voltage	1500VDC (IEC)	Temperature coefficients of Voc			-0.28%/°C
Maximum series fuse rating	30A	Temperature coefficient of Isc			0.048%/°C
Power tolerance	0~+5W	Nominal Module Operating Temperature(NOCT)			45±2°C

Curve

Current-Voltage & Power-Voltage Curves (450W)



Temperature Dependence of Isc, Voc, Pmax



SFBC-NWQ783

Mono-Facial Module

600-630 Watt



Key Features



Quarter Cut

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



Reduced Hot Spot Loss

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



Higher Power Output

The optimized parallel series circuit design reduces shadow occlusion loss, and the maximum component efficiency is 23.2.



PID Resistance

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



Extreme aesthetics

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Comprehensive Products & System Certificates

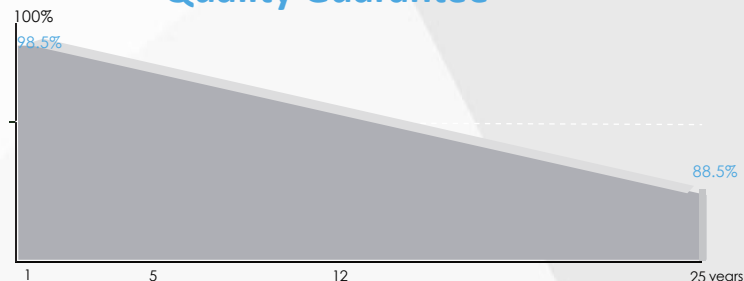
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Quality Guarantee



Additional value from Yoursun Solar's linear warranty.



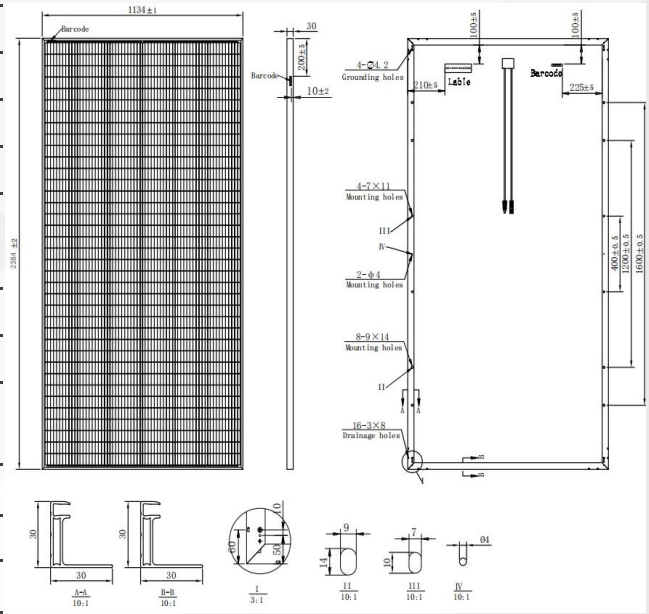
12 year
Quality
Warranty

25 year
Performance
Warranty

-0.55%
Annual
Decay

Mechanical Specifications

Cell type	N-type mono-crystalline
No. of cells	318 (53*6)
Dimensions(L*W*H)	2384 x 1134 x 30mm
Module weight	29.3kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68
Cable	TUV 1×4.0mm ² length: (+): 700mm, (-): 700mm; or customizable
Packing	2406 x 1110 x 1245 mm/pallet
	36pcs/pallets ; 1084.8Kg/pallets
	20pallets/40HQ ; 720pcs/40HQ ; 21.1T/40HQ



Specifications

STC Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5, Wind Speed 1m/s

Spec/Model	SFBC-NWQ723-600	SFBC-NWQ723-610	SFBC-NWQ723-620	SFBC-NWQ723-630
Maxpower (Pmax)	600W	610W	620W	630W
Maximum Power Voltage (Vmp)	59.06V	59.45V	59.79V	60.17V
Maximum Power Current (Imp)	10.16A	10.26A	10.37A	10.47A
Open-circuit Voltage (Voc)	68.77V	69.15V	69.53V	69.9V
Short-Circuit Voltage (Isc)	11.09A	11.21A	11.33A	11.45A
Module Efficiency STC (%)	22.19%	22.56%	22.93%	23.30%
Operating temperature (°C)	-40°C ~ +85°C	Temperature coefficients of Pmax		-0.35%/°C
Max. system voltage	1500VDC (IEC)	Temperature coefficients of Voc		-0.28%/°C
Maximum series fuse rating	25A	Temperature coefficient of Isc		0.048%/°C
Power tolerance	0 ~ +5W	Nominal Module Operating Temperature (NOCT)		45 ± 2°C

Curve

