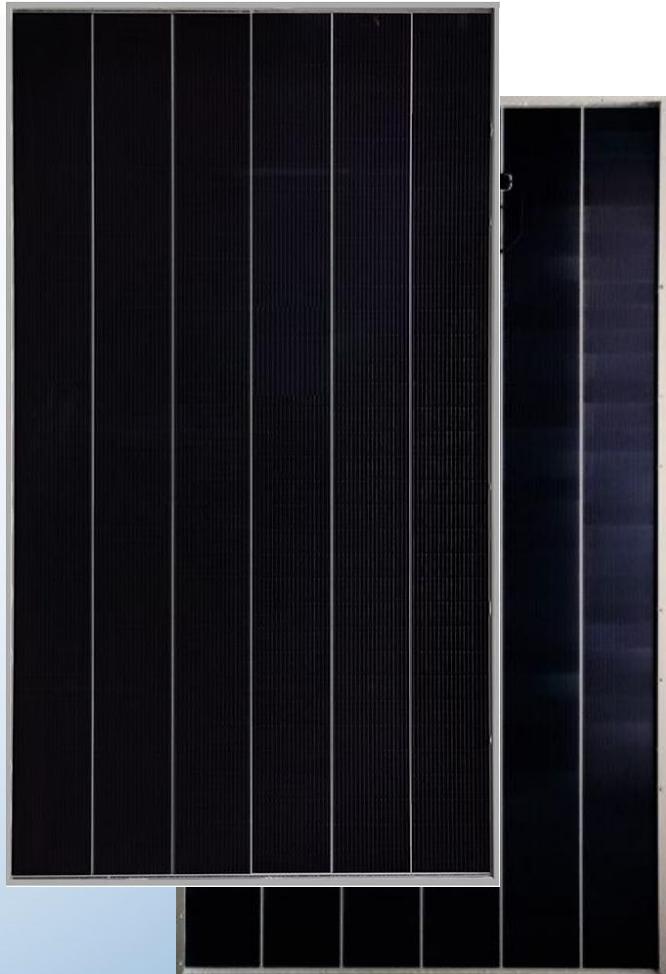


SFBC-23N68D
Bifacial Dual-Glass
Module

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 **23.52%**



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-23N70D 610-635W

Mechanical Parameter

Cell	N-Type TOPCon technology, triple-cell
No. of cells	68
Dimension	2382×1134×30 mm
Weight	32.0kg
Front cover	2.0 mm high-transmission tempered glass with anti-reflective coating
Back cover	2.0 mm heat-strengthened glass
Module frame	Steel/aluminum profiles
Junction box	IP68 rated,3 bypass diodes
Safety Class	Class II
IEC fire resistance rating	Class C
Connectors	MC 4 compatible
Cable	4.0mm ² Customization

Packaging Specification

Pallet dimension	2525×1115×1251 mm
Loading capacity	720pcs/40HQ

Electrical Specifications(STC)

Rated maximum power(Pmax) [W]	610	615	620	625	630	635
Maximum operating voltage (Vmp) [V]	42.33	42.53	42.73	42.94	43.14	43.35
Maximum operating current (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
Temperature coefficient of Pmax				-0.29%		
Temperature coefficient of Voc				-0.25%°C		
Temperature coefficient of Isc				0.045%°C		

Standard Test Conditions (STC): Irradiance 1000W/m², Ambient temperature 25°C, air mass AM1.5

Electrical Specifications(BNPI)

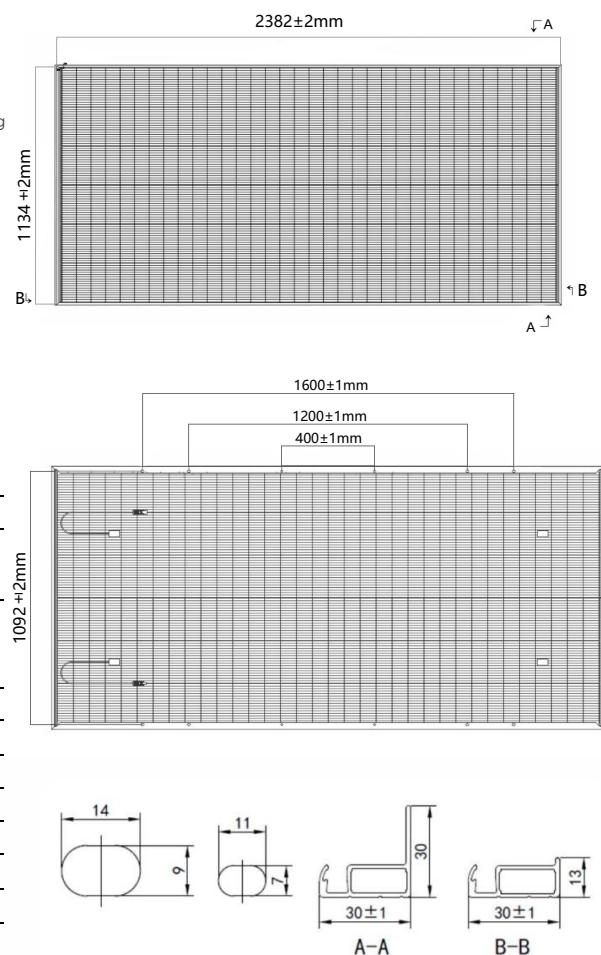
Rated maximum power(Pmax) [W]	640	645	650	655	660	665
Maximum operating voltage (Vmp) [V]	42.31	42.51	42.71	42.92	43.12	43.33
Maximum operating current (Imp) [A]	15.12	15.17	15.21	15.26	15.31	15.35
Open-circuit voltage (Voc) [V]	49.88	50.09	50.29	50.49	50.70	50.90
Short-circuit current (Isc) [A]	15.77	15.82	15.87	15.92	15.96	16.01

Bifacial Nominal Operating Conditions(BNPI): Irradiance: Front side 1000 W/m², rear side 135 W/m², ambient temperature 25°C, air mass 1.5

Operating Condition

Operating temperature	-40°C~+70°C
Maximum system voltage	1500VDC(IEC)
Maximum series fuse rating	30A
Bifaciality	φVoc:98±5%,φIsc:80±5%,φPmax:80±5%

Engineering Drawing



For specific dimensions and tolerance ranges, please refer to the corresponding module drawings

Linear power output warranty

