云上新能源
YOURSUN ENERGY

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

Hot-spot Resistance

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

High Applicability

Perfectly compatible with PERC, TOPCon, HJT and BC technologies

Extreme Aesthetics

The product has smooth appearance and scientific beauty

Proprietary Packaging

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

Smart Surveillance (optional)

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

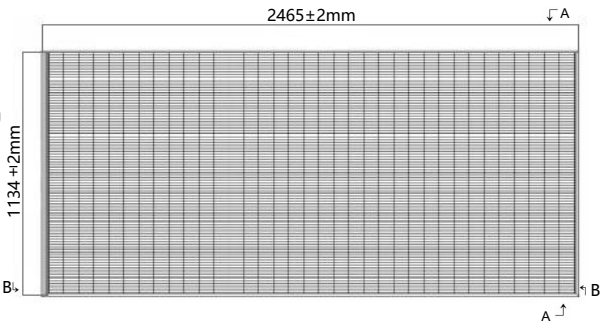
YOURSUN New Energy Development(Hangzhou)Co., Ltd.
https://yoursunergy.com/
Tel: +86 18157173272 E-mail: yoursun.vip@gmail.com
Add: Building.9, Future Science Park,HANGZHOU,CHINA

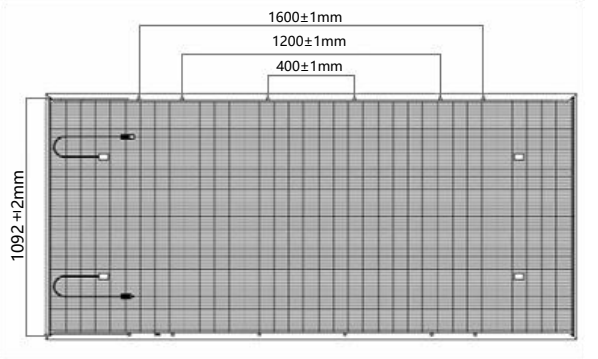
SFBC-24N70D 625-650W

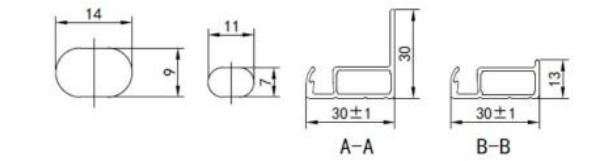
Mechanical Parameter

Cell	N-Type TOPCon technology, triple-cell
No. of cells	70
Dimension	2465×1134×30 mm
Weight	34.0kg
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	4.0mm² Customizaton

Engineering Drawing







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

Packaging Specification

Pallet dimension	2525×1115×1251mm
Loading capacity	16pallets/40HQ; 576pcs/40HQ 36pcs per pallet: 1254.1Kg

Electrical Specifications(STC)

Rated maximum power(Pmax) [W]	625	630	635	640	645	650
Maximum operating voltage (Vmp) [V]	43.36	43.57	43.78	43.99	44.20	44.41
Maximum operating current (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	21.79	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
Temperature coefficient of Pmax	-0.29%					
Temperature coefficient of Voc	-0.25%℃					
Temperature coefficient of Isc	0.045%℃					

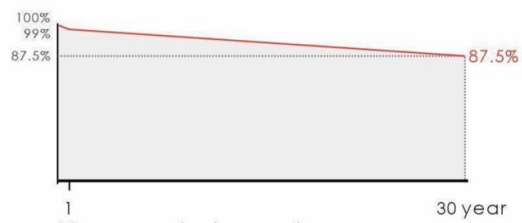
Standard Test Conditions (STC):Irradiance 1000W/m2, Ambient temperature 25℃, air mass AM1.5

Electrical Specifications(BNPI)

Rated maximum power(Pmax)[W]	653	658	664	669	674	679
Maximum operating voltage (Vmp)[V]	43.34	43.55	43.76	43.97	44.18	44.39
Maximum operating curent (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

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

Linear power output warranty



15-year product warranty
30-year linear power output warranty
0.4% annual degradation rate

Operating Condition

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

云上新能源 YOURSUN ENERGY