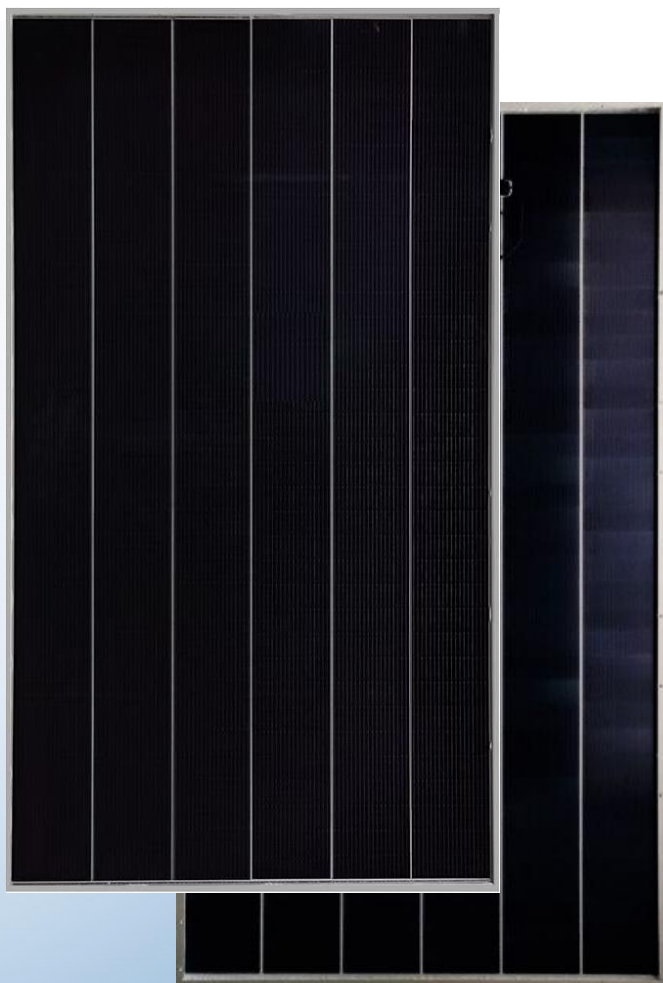


SFBC-25N82DW-R

Bifacial Dual-Glass Module

740-770W



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-25N82DW 740-770W

Mechanical Parameter

Cell	N-Type TOPCon technology, triple-cell
No. of cells	82
Dimension	2500×1303×30 mm
Weight	42kg
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 Customizaton

Packaging Specification

Pallet dimension	2492×1115×1420mm
Loading capacity	726PCS/40HQ

Electrical Specifications(STC)

Rated maximum power(Pmax) [W]	740	745	750	755	760	765	770
Maximum operating voltage (Vmp) [V]	51.11	51.35	51.60	51.69	51.93	52.18	52.42
Maximum operating current (Imp) [A]	14.48	14.51	14.58	14.61	14.63	14.66	14.69
Open-circuit voltage (Voc) [V]	60.07	60.31	60.56	60.81	61.05	61.30	61.54
Short-circuit current (Isc) [A]	15.31	15.35	15.40	15.45	15.49	15.54	15.59
Module efficiency [%]	23.04	23.20	23.35	23.51	23.66	23.82	23.97
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)

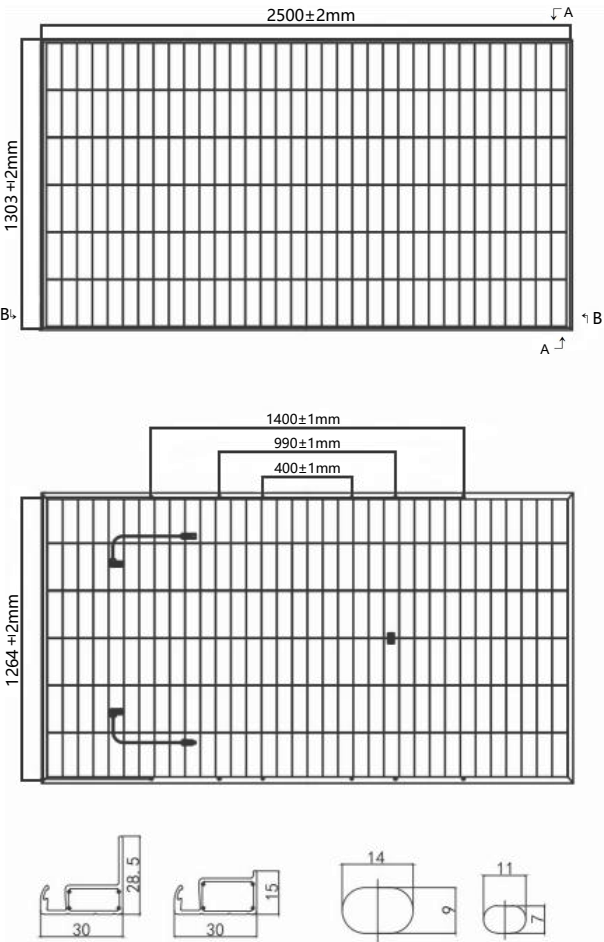
Rated maximum power(Pmax)[W]	773	778	786	789	794	799	804
Maximum operating voltage (Vmp)[V]	51.09	51.33	51.58	51.67	51.91	52.16	52.40
Maximum operating current (Imp)[A]	15.13	15.16	15.24	15.27	15.29	15.32	15.35
Open-circuit voltage[Voc][V]	60.05	60.29	60.54	60.79	61.03	61.28	61.35
Short-circuit current [Isc][A]	16.00	16.04	16.09	16.14	16.19	16.24	16.29

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

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%

Engineering Drawing



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

Linear power output warranty

