



Pioneer 2.0

700-720W

132-TOPCon BIFACIAL MODULE WITH DUAL GLASS

12 Years Product Warranty

30 Years Linear Power Warranty



SMBB Technology

Better light trapping and current collection, less optical and resistance losses, effectively improving module power output and reliability.



>85% Bifaciality

Greater backside generation gain with significantly LCOE reduced.



PID Resistance

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



Low Temperature Coefficients

Excellent temperature coefficients, and more stable power generation performance.



LID Resistance

N-type modules have higher reliability and lower LID/LETID.



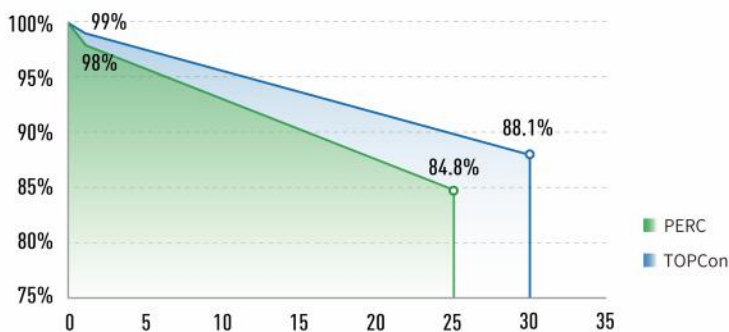
IEC61215:2021 / IEC61730:2023

IEC60068 / IEC61701 / IEC62716 / IEC62804

ISO9001:2015: ISO Quality Management System

ISO14001:2015: ISO Environment Management System

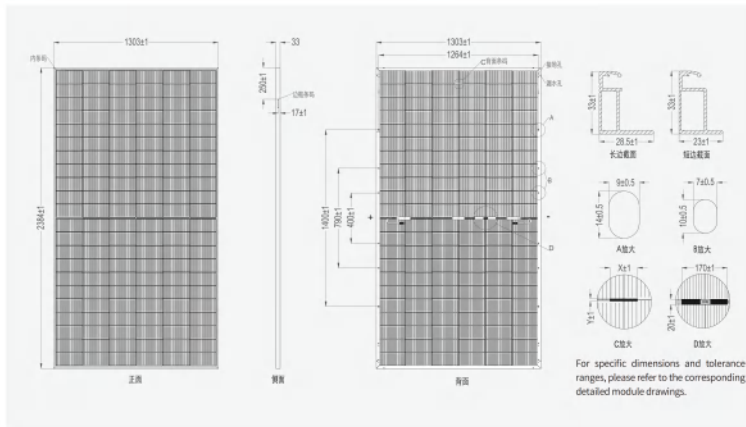
ISO45001:2018: Occupational Health and Safety Management Systems



Less than **1%** degradation in the 1st year

30 years power warranty

0.375% linear degradation


Mechanical Characteristics

Cell Type	TOPCon Mono-crystalline
No. of Cells	132 (6×22)
Dimensions	2384×1303×33mm
Weight	38kg
Front Glass	2.0mm Anti-reflection Coating
Back Glass	2.0mm Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	4mm ² (+):350mm,(-):250mm; or Customized Length
Connectors Type	MC4 Compatible
Front Load	5400 Pa
Back Load	2400 Pa

Electrical Characteristics (STC)

Module Types	SETS210X-132D-700CS	SETS210X-132D-705CS	SETS210X-132D-710CS	SETS210X-132D-715CS	SETS210X-132D-720CS
Max Power(Pmax)[W]	700	705	710	715	720
Open Circuit Voltage(Voc)[V]	48.37	48.51	48.65	48.79	48.93
Short Circuit Current(Isc)[A]	18.15	18.21	18.27	18.33	18.39
Max.Power Voltage(Vmp)[V]	40.78	40.92	41.06	41.20	41.34
Max.Power Current(Imp)[A]	17.24	17.30	17.36	17.42	17.48
Module Efficiency(%)	22.53	22.70	22.86	23.02	23.18
Power Tolerance	0 ~ +5W				
Bifaciality Coefficients	$\phi P_{max}=85\% \pm 10\%$ $\phi V_{oc}=99\% \pm 10\%$ $\phi I_{sc}=85\% \pm 10\%$				
STC (Standard Test Conditions): Irradiance 1000W/m ² , Cell temperature 25°C, AM 1.5, Tolerance of Pmax is within +/-3%					

Electrical Characteristics (BNPI)

Max Power(Pmax)[W]	780	785	790	795	800
Open Circuit Voltage(Voc)[V]	48.37	48.51	48.65	48.79	48.93
Short Circuit Current(Isc)[A]	20.23	20.30	20.37	20.43	20.50
Max.Power Voltage(Vmp)[V]	40.78	40.92	41.06	41.19	41.33
Max.Power Current(Imp)[A]	19.22	19.29	19.35	19.37	19.44
BNPI (Bifacial Nameplate Irradiance): Irradiance: front 1000W/m ² , rear 135W/m ² , Cell temperature 25°C, AM=1.5, Tolerance of Pmax is within +/-3%					

Packaging Configuration

	Flat car	Flat car	Container
Size	13m	17.5m	40HC
Pallets Per	20	22	18
Modules Per Pallet (pcs)	33	33	33
Total Modules (pcs)	660	726	594

Temperature Coefficients

Nominal Operating Cell Temp. (NOCT)	45±2°C
Temperature Coefficient of max δ (%/°C)	-0.28
Temperature Coefficient of Voc β (%/°C)	-0.25
Temperature Coefficient of Isc α (%/°C)	0.046

Application Conditions

Operating Temperature	-40°C~ 85°C
Maximum System Voltage	1500V
Maximum Series Fuse Rating	30A

Safety & Warranty

Safety Class	Class II
Product Warranty	12 yrs Workmanship
Power Warranty	30 yrs Linear Warranty

