

PA219 BC Series

SUNGOLD FLEXIBLE SOLAR PANEL

110W - 450W



Management System Certifications



ISO 9001



ISO 14001



ISO 45001

Product Certifications



TÜV



CE



RoHS



CSA

Product Features



Clean-Front BC Design

Rear-side contacts create a cleaner, more uniform front appearance.



Flexible & Lightweight

3mm-thin construction supports curved surfaces and weight-sensitive applications.



25.00% Cell Efficiency

High-efficiency 182 BC cells support compact and high-power module formats.



Crack-Resistant Construction

Composite structure helps distribute bending stress across the module.



Certified PA219 Platform

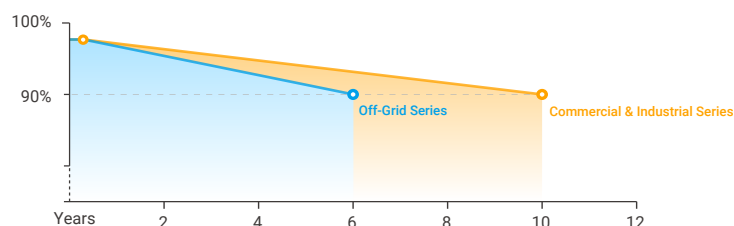
TÜV and CSA certified platform with Class C fire rating; scope varies by model.



OEM/ODM Support

Custom sizes, connectors, cable lengths and branding are available by project.

Warranty



10 YEARS

Stationary Commercial & Industrial

6 YEARS

RV · Caravan · Marine · Mobile · Off-Grid

Warranty period depends on the application stated in SUNGOLD project documents.

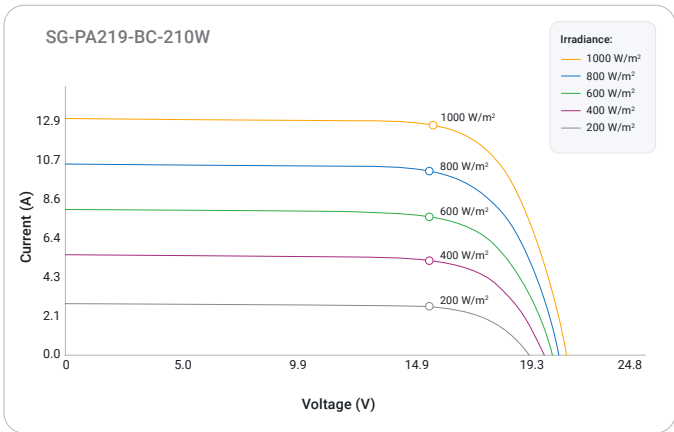
Complete Model Range

Parameter	SG-PA219-BC-110W	SG-PA219-BC-150W	SG-PA219-BC-210W	SG-PA219-BC-300W	SG-PA219-BC-450W
Maximum Power Pmax	110W	150W	210W	300W	450W
Open-Circuit Voltage Voc	21.7V	29.0V	20.29V	29.0V	43.5V
Operating Voltage Vmp	18.9V	25.2V	17.64V	25.2V	37.8V
Short-Circuit Current Isc	5.99A	6.13A	12.26A	12.26A	12.26A
Operating Current Imp	5.82A	5.96A	11.91A	11.91A	11.91A
Dimensions (mm)	1030 × 595 × 3	1030 × 780 × 3	1420 × 780 × 3	1515 × 1030 × 3	2255 × 1030 × 3
Cell Layout	3 × 10	4 × 10	4 × 14	8 × 10	12 × 10
Weight	2.0kg	2.6kg	3.6kg	5.1kg	7.5kg

Common Specifications

Parameter	Specification
Cell Type	182 BC
Cell Efficiency	25.00%
Max. System Voltage	1000V DC
Operating Temperature	-40°C to +85°C
Power Tolerance	±5%
Temp. Coeff. Pmax	-0.32%/°C
Temp. Coeff. Voc	-0.26%/°C
Temp. Coeff. Isc	+0.046%/°C
Module Format	Flexible

Representative I–V Curves



Mechanical Characteristics

Parameter	Specification
Module Construction	Flexible polymer-composite
Front Surface	Matte, anti-glare surface
Back Sheet	White composite back sheet
Module Thickness	3mm
Junction Box	Model-dependent
Connector Type	MC4-compatible; customizable
Output Cable	Configuration customizable

Configuration & Ordering

Item	Guidance
Model Selection	Refer to the electrical table
Product Dimensions	Confirm by selected model
Output Interface	Model- or project-dependent
Cable Length	Standard or customized
Packaging	Confirm by model and quantity
Label & Branding	OEM/private-label options
Documentation	Confirm project requirements

Model Selection

Match power, voltage and available installation space.

Installation Conditions

Confirm surface, load, environment and mounting method.

System Matching

Check voltage, current and connected equipment limits.

Project Options

Confirm available cables, outputs, packaging and branding.

STC: Standard Test Conditions. Confirm the issued model datasheet and certification scope before order placement.