

PA219 TOPCon Series

SUNGOLD FLEXIBLE SOLAR PANEL

100W - 490W



Management System Certifications



ISO 9001



ISO 14001



ISO 45001

Product Certifications



TÜV



CE



RoHS



CSA

Product Features



Ultra-Lightweight Design

Approximately 3.3 kg/m² on selected models for low-load roofs and mobile installations.



Flexible & Curve-Ready

Thin polymer-composite construction adapts to curved and non-standard mounting surfaces.



High-Efficiency Performance

High-efficiency cell technology supports strong power output in a compact, lightweight module.



Crack-Resistant Durability

Symmetric composite structure distributes stress and helps reduce cell micro-cracking.



Certified Safety

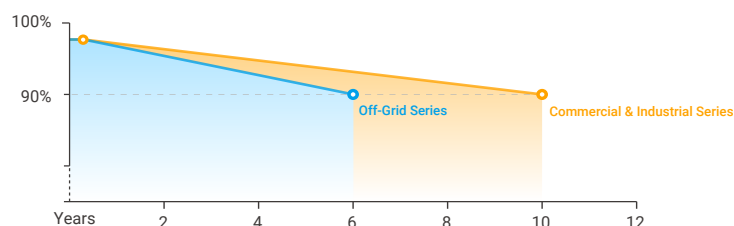
TÜV/CSA certified platform; IEC and fire-rating scope varies by model and market.



Project Customization

Custom dimensions, cable lengths, connectors and private-label options are available.

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.

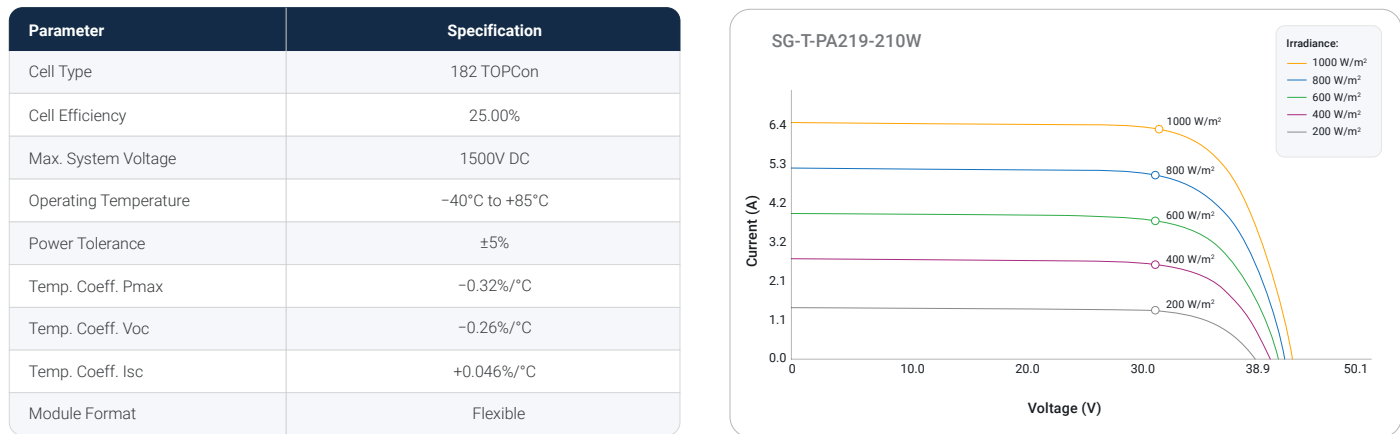
Complete Model Range

Parameter	SG-T-PA219-100W	SG-T-PA219-150W	SG-T-PA219-210W	SG-T-PA219-265W	SG-T-PA219-295W	SG-T-PA219-325W	SG-T-PA219-400W	SG-T-PA219-445W	SG-T-PA219-490W
Maximum Power Pmax	100W	150W	210W	265W	295W	325W	400W	445W	490W
Open-Circuit Voltage Voc	36.6V	28.7V	40.2V	25.8V	28.7V	31.5V	38.7V	43.0V	47.3V
Operating Voltage Vmp	32.4V	25.4V	35.6V	22.9V	25.4V	27.9V	34.3V	38.1V	41.9V
Short-Circuit Current Isc	3.24A	6.20A	6.20A	12.15A	12.19A	12.23A	12.24A	12.26A	12.28A
Operating Current Imp	3.09A	5.91A	5.91A	11.58A	11.62A	11.65A	11.67A	11.68A	11.70A
Dimensions (mm)	890 ×595 × 3	1005 ×780 × 3	1380 ×780 × 3	1515 ×925 × 3	1515 ×1020 × 3	1515 ×1110 × 3	2250 ×920 × 3	2250 ×1015 × 3	2250 ×1110 × 3
Cell Layout	3 × 13	4 × 10	4 × 14	8 × 9	8 × 10	8 × 11	12 × 9	12 × 10	12 × 11
Weight	1.7kg	2.6kg	3.6kg	4.5kg	5.1kg	5.5kg	6.8kg	7.5kg	8.2kg

Common Specifications

Parameter	Specification
Cell Type	182 TOPCon
Cell Efficiency	25.00%
Max. System Voltage	1500V 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.