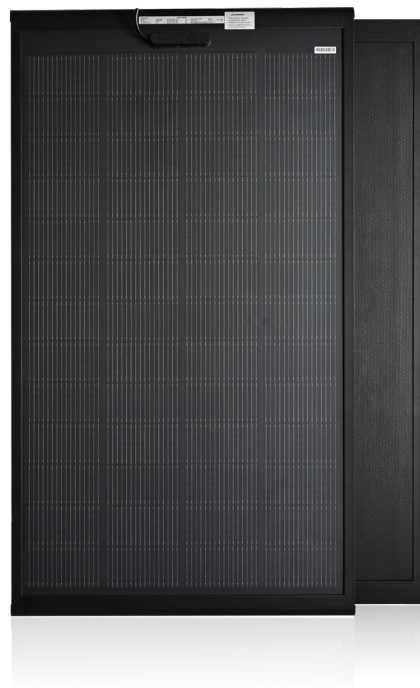


PA621 Series

SUNGOLD LIGHTWEIGHT SOLAR PANEL

100W - 200W



Management System Certifications



ISO 9001



ISO 14001



ISO 45001

Product Certifications



CE



RoHS

Product Features



Lightweight Module Design

Glass-free construction helps reduce roof load and installation weight.



Heat-Dissipating Structure

Low-conductivity backing helps limit heat transfer from mounting surfaces.



Impact-Resistant Build

Reinforced composite support improves durability during mobile use.



Vibration-Resistant Design

Designed for mobile and space-limited installation environments.



Easy System Integration

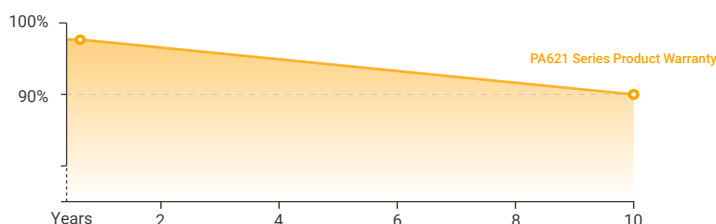
Standard electrical configurations support common off-grid systems.



OEM/ODM Support

Custom sizes, frame options, cables and branding are available by project.

Warranty



10 YEARS

PA621 Series product warranty

Warranty terms apply according to the confirmed project application and issued warranty document.

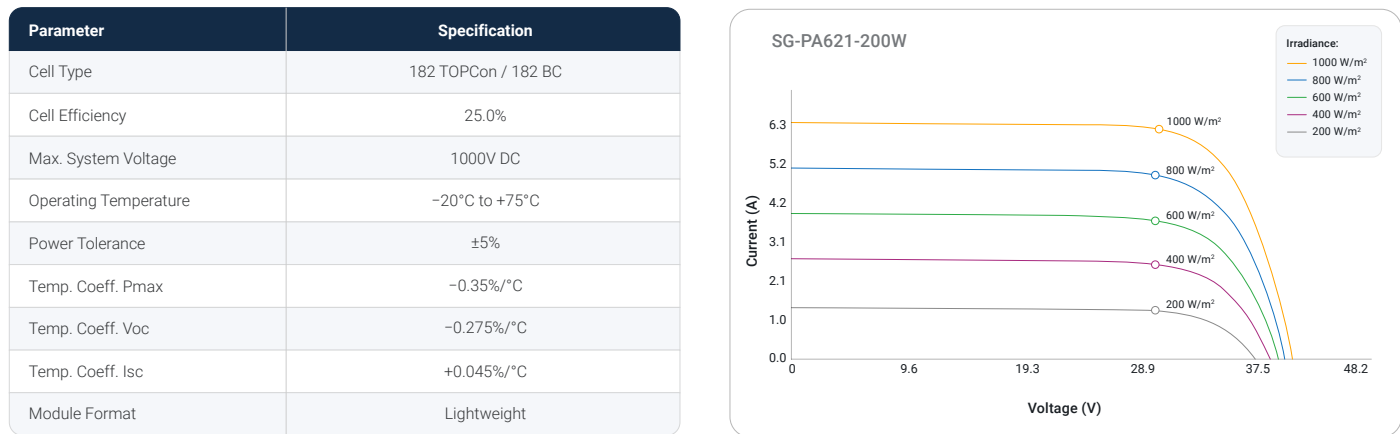
Complete Model Range

Parameter	SG-PA621-100W	SG-PA621-120W	SG-PA621-150W	SG-PA621-200W	SG-PA621-BC-105W	SG-PA621-BC-140W	SG-PA621-BC-200W
Maximum Power Pmax	100W	120W	150W	140W	105W	140W	200W
Open-Circuit Voltage Voc	28.0V	23.7V	28.0V	38.8V	21.5V	28.7V	20.1V
Operating Voltage Vmp	24.8V	21.0V	24.8V	34.3V	19.0V	25.4V	17.8V
Short-Circuit Current Isc	4.24A	6.01A	6.36A	6.12A	5.80A	5.79A	11.81A
Operating Current Imp	4.04A	5.73A	6.06A	5.84A	5.53A	5.52A	11.25A
Dimensions (mm)	985 × 622 × 12	1195 × 622 × 12	1380 × 622 × 12	1850 × 622 × 12	1090 × 622 × 12	1090 × 807 × 12	1460 × 807 × 12
Cell Layout	3 × 17	3 × 11	3 × 13	3 × 18	3 × 10	4 × 10	4 × 14
Weight	3.17kg	3.79kg	4.38kg	5.87kg	3.70kg	4.80kg	6.40kg

Common Specifications

Parameter	Specification
Cell Type	182 TOPCon / 182 BC
Cell Efficiency	25.0%
Max. System Voltage	1000V DC
Operating Temperature	-20°C to +75°C
Power Tolerance	±5%
Temp. Coeff. Pmax	-0.35%/°C
Temp. Coeff. Voc	-0.275%/°C
Temp. Coeff. Isc	+0.045%/°C
Module Format	Lightweight

Representative I–V Curves



Mechanical Characteristics

Parameter	Specification
Module Construction	Glass-free lightweight composite
Front Surface	FPF front material
Back Sheet	Black honeycomb back sheet
Module Thickness	12 mm
Junction Box	Model-dependent
Connector Type	Project-dependent; customizable
Output Cable	Twin-core 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.