



## SG1600/2000

(4-IN-1 VERSION)



NEWEST STRONG COMMUNICATION SUB-1G.



CLEVER LED POSTION ON EDGE, ALWAYS VISIBLE.



SAFE DESIGN WITH CONNECTORS SHIELD.

### Description

SOLENSO's latest generation SG2000 series high power microinverter with 2000VA output power and maximum DC input current up to 20A.

Integrated with advanced module-level MPPT and data monitoring functions, boosts power generation, simplifies maintenance.

Sub-1G wireless communication technology ensures a stable communication for products in harsh environments.

### Features



High-power microinverter with an output power of up to 2000VA.



Module-level MPPT and data monitoring, enhancing power generation efficiency and simplifying operation and maintenance.



DC-end crash protection added, easier installation and lower cost for the SOLENZO 4 in 1 unit Microinverter SG1600/SG2000.



Designed life time more than 25 years, it offers exceptional quality, durability, and long-term stability.



Compliance: IEC/EN62109-1:2010, IEC/EN62109-2:2011, IEC/EN61000-6-1:2019, IEC/EN61000-6-3:2021, RF-EMC, EN50549-1, EN50549-10, VDE4105

# Technical Specifications

Model	SG1600	SG2000
<b>Input Data (DC)</b>		
Commonly used module power (W)	320~550+	400~670+
Peak power MPPT voltage range (V)	25~55	
Start-up voltage (V)	22	
Maximum input voltage (V)	65	
Maximum input current (A)	14*4	16*4
<b>Output Data (AC)</b>		
Rated output power (VA)	1600	2000
Nominal output voltage (V)	220/230/240	
Nominal output voltage range (V)	230/180-275	
Nominal frequency/range (Hz)	50/45-55	
Power factor (adjustable)	> 0.99 default 0.8leading-0.8lagging	
Total harmonic distortion	<3%	
Maximum units per branch (10AWG)	5/5/5	4/4/4
<b>Efficiency</b>		
CEC peak efficiency	96.5%	
CEC weighted efficiency	96.5%	
Nominal MPPT efficiency	99.9%	
Night-time power consumption (mW)	28	
<b>Mechanical Data</b>		
Ambient temperature range (°C)	-40 ~ +65	
Dimensions (W × H ×D mm)	291x341x43.5	
Weight (KG)	5.4	
Protective rating (IP)	IP67	
Cooling	Natural convection-No fans	
<b>Features</b>		
Communication	Sub-1G	
Warranty	15 years standard; up to 25 years optional	
Compliance	VDE-AR-N 4105:2020, EN50549-1:2019,VFR2019, EN50549-10:2022 PTPIREE, NC RFG, IEC/EN 62109-1/-2, IEC/EN-61000-6-1/-3	