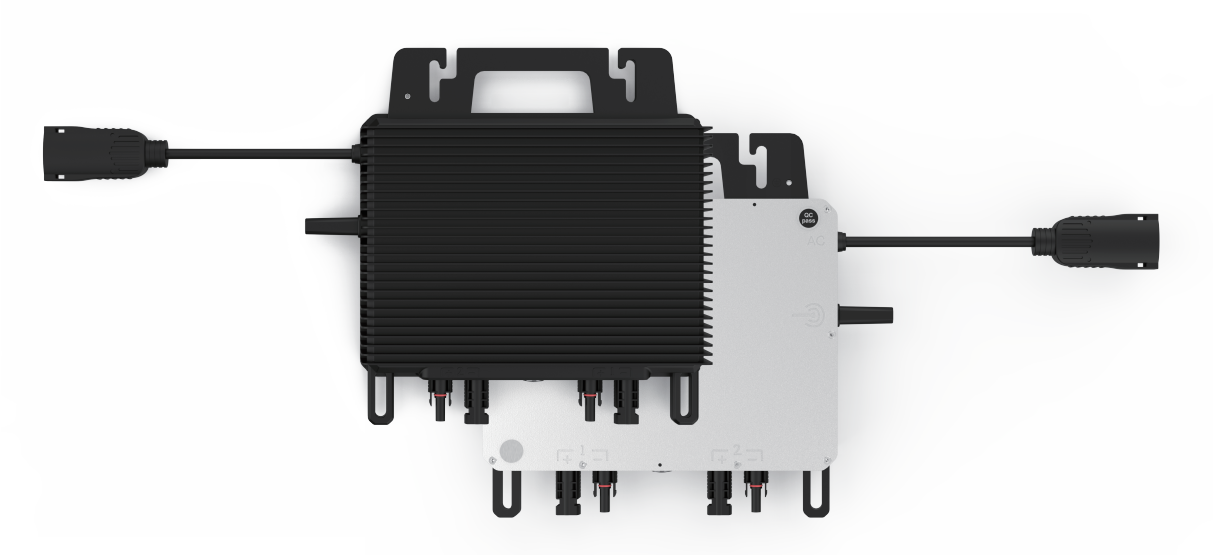
Solenso

THE BRAINWAVE FACTORY



SG800/900/1000

(2-IN-1 VERSION)

- NEWEST STRONG COMMUNICATION SUB-1G.
- CLEVER LED POSTION ON EDGE, ALWAYS VISIBLE.
- SAFE DESIGN WITH CONNECTORS SHIELD.

Description

SOLENSO's SG1000 microinverter, at 1000VA, lead the industry's new development trend.

Integrated with advanced module-level MPPT and datamonitoring 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 1000VA.
- 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 SOLENSO 2 in 1 unit Microinverter SG800/SG900/SG1000.
- Designed life time more than 25 years, it offers exceptional quality, durability, and long-term stability.
- Compliance: VDE-AR-N 4105:2020, EN50549-1:2019, VFR2019, EN50549-10:2022, IEC/EN 62109-1/-2, IEC/EN-61000-6-1/-3, C10/11 CEI 0-21:2022-03, G98/1-17:2022, NA/EEA-NE7-CH2020

Copyright © 2025 Solenso electronic materials Co., Ltd
www.solenso-power.com / www.solenso-global.com
contact@solenso.pro / info.eu@solenso-global.com

Technical Specifications

Model	SG800	SG900	SG1000
Input Data (DC)			
Commonly used module power (W)	320~540+	400~600+	400~670+
MPPT voltage range（V）		16～55	
Start-up voltage（V）		22	
Max.Short-circuit Current（A）		25*2	
Maximum input voltage（V）		65	
Maximum input current（A）	14*2	15*2	16*2
Output Data (AC)			
Rated output power（VA）	800	900	1000
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（12AWG）	7/7/8	7/7/7	6/6/6
Maximum units per branch（10AWG）	10/10/11	9/9/10	8/8/9
Efficiency			
CEC peak efficiency		96.5%	
CEC weighted efficiency		96.5%	
Nominal MPPT efficiency		99.9%	
Night-time power consumption (mW)		24	
Mechanical Data			
Ambient temperature range（℃）		-40 ~ +65	
Dimensions (W × H ×D mm)		264x290x40	
Weight（KG）		3.6	
Protective rating（IP）		IP67	
Cooling		Natural convection-No fans	
Features			
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 IEC/EN 62109-1/-2, IEC/EN-61000-6-1/-3, C10/11 CEI 0-21:2022-03, G98/1-17:2022, NA/EEA-NE7-CH2020	

Copyright © 2025 Solenso electronic materials Co., Ltd
www.solenso-power.com / www.solenso-global.com
contact@solenso.pro / info.eu@solenso-global.com