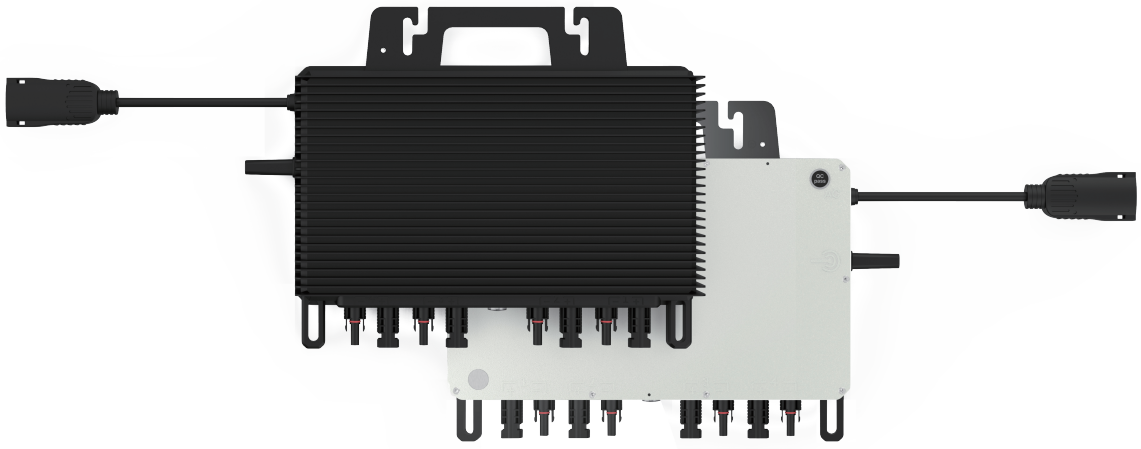


SG1600/2000

(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 SOLENSO 4 in 1 unit Microinverter SG1600/SG2000.
- 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, PTPiREE, NC RFG, IEC/EN 62109-1/-2, IEC/EN-61000-6-1/-3, C10/11

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Technical Specifications

Model	SG1600	SG2000
Input Data (DC)		
Commonly used module power (W)	320~550+	400~670+
MPPT voltage range（V）	16～55	
Start-up voltage（V）	22	
Max.Short-circuit Current（A）	25*4	
Maximum input voltage（V）	65	
Maximum input current（A）	14*4	16*4
Output Data (AC)		
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
Efficiency		
CEC peak efficiency	96.5%	
CEC weighted efficiency	96.5%	
Nominal MPPT efficiency	99.9%	
Night-time power consumption (mW)	28	
Mechanical Data		
Ambient temperature range（℃）	-40 ~ +65	
Dimensions (W × H ×D mm)	291x341x43.5	
Weight（KG）	5.4	
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 PTPiREE, NC RFG, IEC/EN 62109-1/-2, IEC/EN-61000-6-1/-3, C10/11	

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