S2000S-SA
Microinverter

NEW

HIGH YIELD

- Compatible with high power PV modules
- Innovative thermal design, maintains rated power in high temperature conditions
- 4MPPTs

SMART MANAGEMENT

- Module level monitoring and control
- Remote firmware upgrades

EASY SETUP

- Extended range WiFi technology
- Setup and comissioning in one touch

SAFE AND RELIABLE

- Rapid shutdown function
- Integrated AC relay
- Does not sustain electric arcs due to low DC input voltage

SUNGROW
Clean power for all

Type designation	S2000S-SA
Input (DC)	
Recommended PV module power range	450 W - 620 W
Max. PV input voltage	60 V
Min. PV input voltage / Startup input voltage	16 V / 22 V
MPPT voltage range *	16 V - 60 V
No. of independent MPP inputs	4
Max. PV input current	16 A * 4
Max. DC short-circuit current	20 A * 4
Output (AC)	
Grid type	Single phase
Feed - in phase / AC connection	L - L - PE / L - N - PE
Rated AC output power	2000 W
Max. AC output apparent power	2000 VA
Max. AC output current	9.1 A
Rated AC voltage	220 V / 230 V / 240 V
AC voltage range **	154 V - 277 V
Rated grid frequency	50 Hz / 60 Hz
Grid frequency range	45 Hz - 55 Hz 55 Hz - 65 Hz
Harmonic (THD)	< 3 % (at rated power)
Power factor at rated power / Adjustable power factor	> 0.99 / 0.8 leading - 0.8 lagging
Maximum units per 10 AWG (6 mm^2) branch ***	3
Efficiency	
Max. efficiency	96.2%
European efficiency	95.4%
Protection & function	
Grid monitoring	Yes
Leakage current protection	Yes
PV module-level monitoring	Yes
Rapid shutdown	Yes
Surge protection	AC type II
General data	
Dimensions (W * H * D)	381 mm * 286 mm * 58 mm
Weight	8.5 kg
Mounting method	Bracket Mounted
Topology	High Frequency Transformers
Degree of protection	IP67
Night power consumption	< 50 mW
Operating ambient temperature range	-40 °C - 65 °C
Allowable relative humidity range (non-condensing)	100 %
Cooling method	Natural cooling
Max. operating altitude	2000 m
Display	LED
Communication	WLAN
DC connection type	MC4 compatible
AC connection type	Plug and play connector
Certification compliance	EN / IEC 62109-1/-2, EN / IEC 61000-6-1/-2/-3/-4, EN / IEC 60529, Inmetro no. 140 of March 21, 2022, ETSI EN 303 645

* Please refer to the user manual for the full load MPPT voltage range
** Voltage could vary within the supporting range according to the application scenario.
*** Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.