

S2500S-L Microinverter



EASY INSTALLATION

- DC and AC wiring adopt the plug-and-play design



HIGH YIELD

- 18A high current, compatible with high-power PV modules
- 4MPPTs



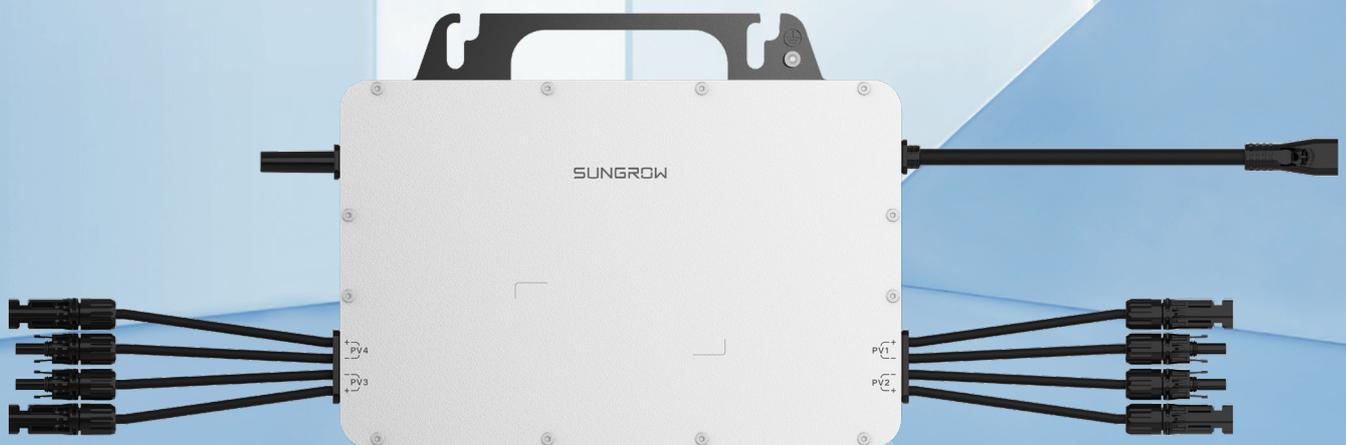
EASY SETUP

- Enhanced Wi-Fi technology, stabilized communication in long distance
- Setup and commissioning in one touch



SAFE AND RELIABLE

- Rapid shutdown function compliant with IEC 63027
- Does not sustain electric arcs due to low DC input voltage



Type designation		S2500S-L
Input (DC)		
Recommended PV module power range		560 W - 720 W
DC / AC ratio		0.9 – 1.15
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 trackers		4
Max. PV input current		18 A * 4
Max. DC short-circuit current		23 A * 4
Output (AC)		
Grid type		Single phase
Rated AC output power		2500 W
Max. AC output apparent power		2500 VA
Max. AC output current		11.4 A
Rated AC output current (at 230 V)		11.4 A @ 220 Vac 10.9 A @ 230 Vac 10.4 A @ 240 Vac
Rated AC voltage		220 V / 230 V / 240 V
AC voltage range *		176 V - 276 V
Rated grid frequency		50 Hz / 60 Hz
Grid frequency range		50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz
Harmonic (THD)		< 5 % (at rated power)
Power factor at rated power		> 0.99
Maximum units per 10 AWG branch **		3
Efficiency		
Max. efficiency		96.5 %
Protection & Function		
Grid monitoring		Yes
Leakage current protection		Yes
PV module monitoring		Yes
Rapid shutdown		Yes
Surge protection level		Type II
General data		
Dimensions (W * H * D)		346 mm * 227 mm * 46 mm
Weight		5.5 kg
Mounting method		Bracket Mounted
Degree of protection		IP67
Night power consumption		< 50 mW
Operating ambient temperature range		-40 °C – 80 °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
Grid compliance		IEC 62109-1/-2, IEC 62116, IEC 61683, IEC 50530, IEC 61000-3-2, IEC 61000-3-12, IEC 60529

* 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

