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
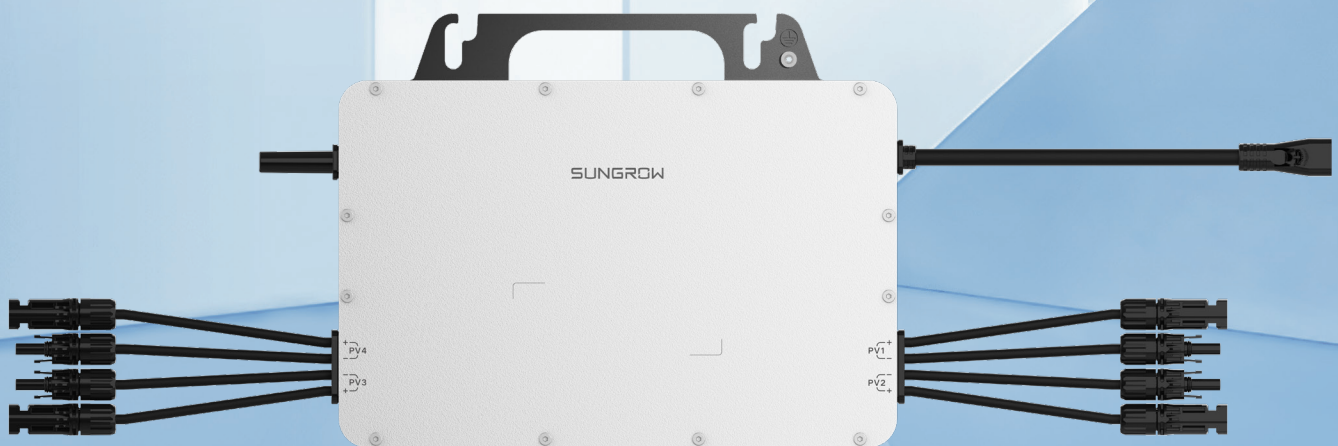
EASY SETUP

• Enhanced Wi-Fi technology, stabilized communication in long distance
• Setup and comissioning 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
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	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.