

SMILE-G3-S5



Model	SMILE-G3-S5
System Specification	
Nominal Output Power	5000 W
Capacity Range	3.8 ~ 15.2 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO ₄)
IP Protection	IP21 (Indoor)
Warranty	10 Year Product Warranty
Inverter Technical Specification	
Model	SMILE-G3-S5-INV
Coupling	Hybrid
Max PV Input Power	10000 W
Max PV Input Current	15 A / 15 A
Max. PV Input Voltage	580 V
MPPT Number/Max. Input Strings Number per MPPT	2 / 1
MPPT Voltage Range	100~ 550 V
Max. PV Short-Circuit Current	18.75 A / 18.75 A
Max. Charging/Discharging Current	60 A
Max. Charging/Discharging Power	5000 W
Rated Frequency	50 / 60 HZ
Rated Voltage	230V
Max. AC input Power	10000 W
Rated Output Apparent Power (on-grid)	10000 VA
Rated Output Apparent Power (off-grid)	5000 VA
Peak Out Power (off-grid)	5500 W 60s; 7500 W 30s; 10000 W 0.5s;
Rated Output Current (on-grid)	35 A
Rated Output Current (off-grid)	21.7 A
Backup	UPS
Communication	Ethernet / WiFi
Humidity	0~90% (Non-Condensing)
Dimension (W x D x H)	610 x 212 x 366 mm
Weight	20 kg
Safety	IEC 62109
EMC	EN61000-6-1/-2/-3/-4
Gnid Regulation	NRS 097
Battery Technical Specification	
Module Mode	SMILE-G3-BAT-3.8S
Capacity	3.8 kWh
Usable Capacity	3.6 kWh
Depth of Discharge (DoD)	95 %*
Nominal Voltage	96 V
Max. Charging/Discharging Current	50A**
Operating Temperature Range	-.10°C ~ 50°C***
Cycle Life	8000****
Battery Modules Connection	1~ 4 in series
Dimension (W x D x H)	610 x 212.5 x 435 mm
Weight	39.2 kg

*Test Condition: Max 0.5C charge&discharge at 25±2 C

** Support 40A long-term work, support 50A work for 30min

***Max. charge/discharge current derating will occur related to temperature and SOC.

****Under specific test conditions.



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