

SMILE-G3-S5



Model		SMILE-G3-S5
System Specifications		
Nominal Output Power	5000 W	
Capacity Range	3.8 ~ 15.3 kWh / 4.0 ~ 16.0 kWh / 8.2 ~ 49.2 kWh / 10.1 ~ 60.5 kWh (95% DoD)	
Battery Chemistry	LFP (LiFePO4)	
IP Protection	IP65(Outdoor)/IP21(Indoor)	
Warranty	10 Years Product Warranty	
Inverter Technical Specifications		
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	230 V	
Phase	Single Phase	
Rated Output Apparent Power (Grid Port)	5000 VA	
Rated Output Apparent Power (Backup Port)	5000 VA	
Max. AC Input Power (Grid Port)	10000 W	
Rated Output Current (Grid Port)	21.7 A	
Max. AC Output Current (Grid Port)	21.7 A	
Rated Output Current (Backup Port)	21.7 A	
Max. AC Output Current (Backup Port)	21.7 A	
Max. Inverter Efficiency	97.3%	
Backup	UPS	
Communication	Ethernet / WiFi	
Relative Humidity	0 ~ 90% (No Condensation)	
Dimensions (W x D x H)	610 x 212 x 366 mm	
Weight	19.5 kg	
Safety	IEC 62109, IEC 62040 IP65	
EMC	EN 61000-6-1/-2/-3/-4	
Grid Regulations	AS 4777.2, NRS 097,VDE 0126-01-01,VDE 4105, EN 50549,CEI 0-21, RD 1699	
Battery Technical Specifications		
Module Mode	SMILE-G3-BAT-3.8S	SMILE-G3-BAT-10.1P
Nominal Capacity	3.8 kWh	10.1 kWh
Usable Capacity	3.6 kWh	9.6 kWh
Depth of Discharge (DoD)	95%*	95%*
Nominal Voltage	96 V	96 V
Battery Voltage Range	90V ~ 108V	91.5V ~ 106.5V
Max. Charging/Discharging Current	40 A**	60 A
Operating Temperature Range	-10 °C ~ 50 °C****	-10 °C ~ 50 °C****
Cycle Life	10000*****	10000*****
Battery Modules Connection	1 ~ 6 in Series	1 ~ 6 in Parallel
** Test condition: Max. 0.5C charge/discharge at 25±2°C.		
*** 50A discharging current sustainable for 30 minutes in off-grid operation.		
**** 40A discharging current sustainable for 30 minutes in off-grid operation.		
***** Max. charge/discharge current derating may occur with changes in temperature and SoC.		
***** Under specific test conditions.		