



# SMILE-G3-S5



Model	SMILE-G3-S5
<b>System Specification</b>	
Rated Output Power	5000 W
Rated Output Apparent Power	5000 VA
Capacity Range	10.1 ~ 60.5 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65
System Dimension (W x D x H)	610 x 230 x 1168 mm (with Bracket)
System Weight	109.5 kg
Warranty	10 Year Product Warranty, 10 Year Battery Performance Warranty
<b>Inverter Technical Specification</b>	
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
Start-up input voltage	125 V
Rated PV Input Voltage	360 V
MPPT Number/Max. Input Strings Number Per MPPT	2/1
MPPT Voltage Range	100 ~ 550 V
Max. PV Short-circuit Current	24 A / 24 A
Max. Charging/Discharging Current	60 A
Max. Charging/Discharging Power	5000 W
Rated Frequency	50 / 60 Hz
Rated Voltage	230 V
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%
Backup	UPS
Communication	Ethernet / WiFi
Humidity	0~90% (No Condensing)
Dimension (W x D x H)	610 x 212 x 366 mm
Weight	19.5 kg
Safety	IEC 62109
EMC	EN 61000-6-1 / EN 61000-6-3
Grid Regulation	AS 4777.2, NRS 097, CEI 0_21, VDE 0126
<b>Battery Technical Specification</b>	
Module Mode	SMILE-G3-BAT-10.1P
Module Capacity	10.1 kWh
Usable Capacity	9.6 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	96 V
Battery Voltage Range	91.5 V ~ 106.5 V
Max. Charging/Discharging Current	52.5 A
Operating Temperature Range	-10 °C ~ 50 °C*
Cycle Life	8000**
Battery Modules Connection	1 ~ 6 in Parallel

\* Max. charge/discharge current derating will occur related to temperature and SOC.  
 \*\* Under specific test conditions.



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