

● YOUR
● SMART
● ENERGY



SMILE-G3-B5

RESIDENTIAL SERIES

POWER

5 kW

CAPACITY

10.1 kWh Battery Modular
Expandable To 60.5 kWh



FAST FCAS

VPP Ready

AC-Coupling

Easy Installation and Low Maintenance



SMILE-G3-B5



Model	SMILE-G3-B5
System Specification	
Nominal Output Power	5000 W
Capacity Range	10.1 ~ 60.5 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65 (Outdoor)
System Dimension (W x D x H)	610 x 250 x 1161 mm (with Bracket)
System Weight	109.5 kg
Warranty	10 Year Product Warranty, 10 Year Battery Performance Warranty
Inverter Technical Specification	
Model	SMILE-G3-B5-INV
Coupling	AC Coupled
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	97.3%
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, IEC 62040
EMC	EN61000-6-1/-2 /-3/-4
Grid Regulation	AS4777.2
Battery Technical Specification	
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	60 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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