

SMILE-G3-S5/B5

The SMILE-G3-S5/B5 offers advanced solutions for home energy storage, catering to both AC and DC coupled scenarios. It covers a comprehensive range of functions including VPP (Virtual Power Plant) scheduling, 200% PV oversizing, very fast FCAS.



G-mark Design
Award



Reddot Design
Award



All-in-One



UPS Ability



Built-in Changeover
Switch Functionality



Faster Response for
VPP Control



24/7 online monitoring



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SMILE-G3-S5/B5

Model	SMILE-G3-S5	SMILE-G3-B5
System Specifications		
Nominal Output Power	5000 W	
Max. Battery Capacity	60.5 kWh	
Battery Chemistry	LFP (LiFePO ₄)	
Warranty	5 Years Product Warranty (5 years warranty extension available), 10 Years Battery Performance Warranty	
Inverter Technical Specifications		
Model	SMILE-G3-S5-INV	SMILE-G3-B5-INV
Inverter Type	Hybrid Inverter	Battery Inverter
Max. PV Input Power	10000 W	N/A
Max. PV Input Current (per MPPT)	15 A	N/A
Max. PV Input Voltage	580 V	N/A
MPPT Number / Max. Input Strings Number per MPPT	2/1	N/A
MPPT Voltage Range	100 ~ 550 V	N/A
Max. PV Short-Circuit Current (per MPPT)	24 A	N/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	
Backup	UPS	
Communication	Ethernet / WiFi	
Relative Humidity	0 ~ 90% (Non-Condensing)	
Dimensions (W x D x H)	610 x 212 x 366 mm	
Weight	19.5 kg	
IP Protection	IP65	
Safety	IEC 62109, IEC 62040	
EMC	EN61000	
Grid Regulation	AS / NZS4777.2	
Battery Technical Specifications		
Module Model	SMILE-G3-BAT-10.1P	
Nominal Capacity	10.1 kWh	
Depth of Discharge (DoD)	95%*	
Nominal Voltage	96 V	
Max. Charging / Discharging Rate	0.5 C	
Operating Temperature Range	-10 °C ~ 50 °C**	
Cycle Life	10000***	
Battery Capacity Range	10.1 kWh ~ 60.5 kWh, 1 ~ 6 in Parallel	
IP Protection	IP65 (Outdoor)	
Dimensions (W x D x H)	610 x 212 x 793 mm	
Weight	90 kg	

* Test condition: Max. 0.5C charge/discharge at 25±2°C.

** Max. charge/discharge current derating may occur with changes in temperature and SoC.

*** Under self consumption circumstances.

