

YOUR
SMART
ENERGY



SMILE-G3

RESIDENTIAL SERIES

CAPACITY ▶

10.1 kWh modular
expandable to 60.5 kWh



200% PV Input

Grid-Forming Function

Off-Grid Parallel Operation

Faster Response for VPP Control



SMILE-G3



Model	SMILE-G3-S5
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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 230 x 1168 mm (with Bracket)
System Weight	109.5 kg
Warranty	5 Year Product Warranty, 10 Year Battery Performance 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
Nominal PV Input Voltage	580 V
MPPTNumber/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
Max. AC Output Current	15.6 A / 21.7 A / 21.7 A
Max. AC Input Current	31.3 A / 43.5 A / 43.5 A
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, NRS 097

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
Max. Charging/Discharging Current	60 A
Operating Temperature Range	-10 °C ~ 50 °C*
Cycle Life	8000**
Battery Modules Connection	1 ~ 6 in Parallel

* When the ambient temperature is too low or too high, the performance of battery may be limited.
 ** Under specific test conditions.



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