

• YOUR
• SMART
• ENERGY



SMILE-G3

RESIDENTIAL SERIES

POWER

3.68 / 5 kW

CAPACITY

10.1 kWh Battery 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-S3.6	SMILE-G3-S5	SMILE-G3-B5
System Specification			
Nominal Output Power	3680 W	5000 W	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	5 Year Product Warranty, 10 Year Battery Performance Warranty		
Inverter Technical Specification			
Model	SMILE-G3-S3.6-INV	SMILE-G3-S5-INV	SMILE-G3-B5-INV
Coupling	Hybrid	Hybrid	AC
Max. PV Input Power	7360 W	10000 W	NA
Max. PV Input Current	15 A / 15 A		NA
Max. PV Input Voltage	580 V		NA
MPPT Number/Max. Input Strings Number Per MPPT	2/1		NA
MPPT Voltage Range	100 ~ 550 V		NA
Max. PV Short-circuit Current	18.75 A / 18.75 A		NA
Max. Charging/Discharging Current	60 A		
Max. Charging/Discharging Power	3680 W	5000 W	5000 W
Rated Frequency	50 / 60 Hz		
Rated Voltage	230 V		
Rated Output Apparent Power (Grid Port)	3680 VA	5000 VA	5000 VA
Rated Output Apparent Power (Backup Port)	3680 VA	5000 VA	5000 VA
Max. AC input Power (Grid Port)	7360 W	10000 W	10000 W
Rated Output Current (Grid Port)	16 A	21.7 A	21.7 A
Max. AC Output Current (Grid Port)	16 A	21.7 A	21.7 A
Rated Output Current (Backup Port)	16 A	21.7 A	21.7 A
Max. AC Output Current (Backup Port)	16 A	21.7 A	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, 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		
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		

* 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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