

● YOUR  
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# SMILE-G3

## RESIDENTIAL SERIES

**POWER**  
3.68 / 5 kW

**CAPACITY**  
10.1 kWh Battery Module  
Expandable To 60.5 kWh



**Modular Design**

**UPS Ability**

**200% PV Input**

**Faster Response for VPP Control**

**Support Dual Power Supply (Grid & Diesel Generator)**



# SMILE-G3



Model	SMILE-G3-S3.6	SMILE-G3-S5	SMILE-G3-B5
<b>System Specification</b>			
Nominal Output Power	3680 W	5000 W	5000 W
Capacity Range	10.1 ~ 60.5 kWh (95% DoD)		
Battery Chemistry	LFP (LiFePO <sub>4</sub> )		
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		

<b>Inverter Technical Specification</b>			
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	N/A
Max. PV Input Current	15 A / 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	18.75 A / 18.75 A		N/A
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% (Non-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, VDE 0126, VDE 4105, EN 50549		

<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	60 A
Operating Temperature Range	-10 °C ~ 50 °C*
Cycle Life	8000**
Battery Modules Connectable	1 ~ 6 in Parallel

\* Max. charge/discharge current derating may occur with changes in temperature and SOC.  
 \*\* Under specific test conditions.



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