

• YOUR
• SMART
• ENERGY



BATTERY **SMILE-G3-BAT-4.0S**

RESIDENTIAL SERIES

CAPACITY
3.8 kWh Modular



Redundancy Design
High Efficiency and Safe
Simple Installation and Maintenance

BATTERY

SMILE-G3-BAT-4.0S



Model	SMILE-G3-BAT-4.0S
Physical Parameters	
Battery Type	LFP (LiFePO4)
Installation Method	Floor / Wall-Mounted
Dimension (W x D x H)	610 x 250 x 435 mm
Weight	42.5 kg
IP Protection	IP65
Warranty	10 Years Battery Performance Warranty
Electrical Parameters	
Energy Capacity	4.0 kWh
Usable Capacity	3.8 kWh
Depth of Discharge (DoD)	95%*
Cycle Life	10 000**
Nominal Voltage	96 V
Operating Voltage Range	90 ~ 108 V
Operating Parameters	
Max. Charging Current	42 A
Max. Discharging Current	42 A
Operating Temperature Range	-10 °C ~ 60 °C***
Relative Humidity	0 ~ 95% (No Condensation)
BMS	
Modules Connection	1 ~ 6 in series connection
Capacity	4.0 / 8.0 / 12.0 / 16.0 / 20.0 / 24.0 kWh
Usable Capacity	3.8 / 7.6 / 11.4 / 15.2 / 19.0 / 22.8 kWh
Monitoring Parameters	System voltage, Current, Cell voltage, Cell temperature, PCBA temperature measurement
Communication	CAN
Certification	
Transportation	UN38.3
Safety	IEC63056 & IEC62619 & IEC62040

* Test Condition: Max. 0.5C charge & discharge at 25±2 °C

** Under specific test conditions.

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



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