

• YOUR
• SMART
• ENERGY



BATTERY **SMILE-G3-BAT-3.8S**

RESIDENTIAL SERIES

CAPACITY

3.8 kWh Modular
Maximum 6 Modules in Series



Redundancy Design

High Efficiency and Safe

Simple Installation and Maintenance

Bypass Function

BATTERY

SMILE-G3-BAT-3.8S



Model	SMILE-G3-BAT-3.8S
Physical Parameters	
Battery Type	LFP (LiFePO4)
Installation Method	Floor / Wall-Mounted
Dimension (W x D x H)	610 x 212.5 x 435 mm
Weight	39.2 kg
IP Protection	IP21
Warranty	10 Year Battery Performance Warranty
Electrical Parameters	
Energy Capacity	3.8 kWh
Usable Capacity	3.6 kWh
Depth of Discharge (DoD)	95%*
Aggregate Throughput	12MWh**
Nominal Voltage	96 V
Operating Voltage Range	90 ~ 108 V
Operating Parameters	
Max. Charging Current	40 A
Max. Discharging Current	40 A***
Operating Temperature Range	-10 °C ~ 50 °C****
Relative Humidity	0 ~ 95% (No Condensation)
BMS	
Modules Connection	1 ~ 6 in series connection
Capacity	3.8 / 7.7 / 11.5 / 15.3 / 19.2 / 23.0 kWh
Usable Capacity	3.6 / 7.3 / 10.9 / 14.6 / 18.2 / 21.9 kWh
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature measurement
Communication	CAN
Certification	
Transportation	UN38.3
Safety	IEC 62619

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

** Operational Temperature: -10°C to 50°C, EOL: 70%;

*** 50A discharging current sustainable for 30 minutes in off-grid operation;

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



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