YOUR
SMART
ENERGY

Alphaess

BATTERY

SMILE-G3-BAT-3.8S

RESDENTIAL SERIES

Draft

CAPACITY

3.8 kWh Modular



+

Redundancy Design

High Efficiency and Safe

Simple Installation and Maintenance

BATTERY

SMILE-G3-BAT-3.8S

Model	SMILE-G3-BAT-3.8S
Physical	
Battery Type	LFP（LiFePO4）
Cell type	EVE
Installation	Mounting to Floor/Wall
Dimension (W x D x H)	610 x 435 x 212.5 mm
Weight	39.2 kg
IP Protection	IP21
Warranty	10 Year Product Warranty
Electrical	
Energy Capacity	3.8 kWh
Usable Capacity	3.6 kWh
Depth of Discharge (DoD)	95%*
Cycle Life	8000**
Nominal Voltage	96 V
Operating Voltage Range	90 ~ 108 V
Operation	
Max. Charging Current	40 A
Max. Discharging Current	40 A
Operating Temperature Range	-10 °C ~ 50 °C***
Humidity	0 ~ 95%
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 (Cell), IEC 62619 (Pack)

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* Test Condition: Max 0.5C charge&discharge at 25±2 °C
** Under specific test conditions.
*** When the ambient temperature is too low or too high, the performance of battery may be limited.

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