YOUR
SMART
ENERGY

Alphaess

BATTERY

SMILE-BAT-13.3P

RESIDENTIAL SERIES

CAPACITY

13.34 kWh modular



+

Modular

Safe

Long lifespan

BATTERY
SMILE-BAT-13.3P

Model	SMILE-BAT-13.3P
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	EVE
System Weight	121 kg
Dimension (W x D x H)	610 x 236 x 816 mm
IP Protection	IP65 (Outdoor)
Warranty	10 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	13.34 kWh
Usable Capacity	13.34 kWh
Depth of Discharge (DoD)	100%
Nominal Voltage	48 V
Operating Voltage Range	45 ~ 54 V
Internal Resistance	≤ 20 mΩ
Cycle Life	8000*
Operation	
Max. Charging Current	100 A
Max. Discharging Current	100 A
Operating Temperature Range	-10°C ~ 50°C**
Relative Humidity	0 ~ 95%
BMS	
Modules Connection	1 ~ 6 in parallel (with expansion pack)
Power consumption	≤1 W (Work), ≤10 mW (Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN and RS-485 compatible
Certification	
Transportation	UN38.3
Safety	IEC 62619 (Cell), IEC 62619 (Pack)

* Under specific test conditions

** When the temperature is below 0 °C or above 40 °C, the performance will be limited.

CE IEC

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