YOUR
SMART
ENERGY

AlphaESS

SMILE-BAT-15P
SMILE-BAT-14P



CAPACITY

15.07 kWh Battery Module, Up to 75.36 kWh
13.99 kWh Battery Module, Up to 69.95 kWh

COBALT-FREE
COBALT-FREE

KEY FEATURES

- **Redundancy Design**
- **Simple Installation and Maintenance**
- **High Efficiency and Safe**

V00.04152026 I Text and images correspond to the current state of technology at the time of printing. Subject to modifications. All information is without guarantee in spite of careful editing - liability excluded.

SMILE-BAT-15P

Model	SMILE-BAT-15P	SMILE-BAT-15P II	SMILE-BAT-15P III	SMILE-BAT-15P IV	SMILE-BAT-15P V
Physical Parameters					
Battery Type	LFP（LiFePO4）				
Dimension (W x D x H)	(637×235×810)±3 mm	(1274×235×810)±6 mm	(1911×235×810)±9 mm	(2548×235×810)±12 mm	(3185×235×810)±15 mm
Weight	(108.5±1) kg	(217±2) kg	(325.5±3) kg	(434±4) kg	(542.5±5) kg
IP Protection	IP65 (Outdoor)				
Warranty	10 Years Product Warranty, 10 Years Performance Warranty				
Country of manufacture	China				
Electrical Parameters					
Energy Capacity	15.07 kWh	30.14 kWh	45.21 kWh	60.28 kWh	75.36 kWh
Usable Capacity	15.07 kWh	30.14 kWh	45.21 kWh	60.28 kWh	75.36 kWh
Depth of Discharge (DoD)	100%				
Rated DC power	4.8 kW	9.6 kW	14.4 kW	19.2 kW	24 kW
Nominal Voltage	48 Vd.c.				
Operating Voltage Range	45 to 54 Vd.c.				
Operating Parameters					
Max. Charging Current	100 Ad.c.				
Max. Discharging Current	100 Ad.c.				
Operating Temperature Range	-10℃ to +50℃				
Relative Humidity	0~95%				
BMS					
Modules Connection	1	2	3	4	5
Monitoring Parameters	System voltage , current , cell voltage , cell temperature , PCBA temperature				
Communication	Can and RS-485 compatible				
Certification					
Transportation	UN 38.3				
Safety	IEC 62619 (Cell), IEC 62619 (Pack), IEC 62040-1 (Pack)				

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SMILE-BAT-14P

Model	SMILE-BAT-14P	SMILE-BAT-14P II	SMILE-BAT-14P III	SMILE-BAT-14P IV	SMILE-BAT-14P V
Physical Parameters					
Battery Type	LFP（LiFePO4）				
Dimension (W x D x H)	(637×235×810)±3 mm	(1274×235×810)±6 mm	(1911×235×810)±9 mm	(2548×235×810)±12 mm	(3185×235×810)±15 mm
Weight	(108.5±1) kg	(217±2) kg	(325.5±3) kg	(434±4) kg	(542.5±5) kg
IP Protection	IP65 (Outdoor)				
Warranty	10 Years Product Warranty, 10 Years Performance Warranty				
Country of manufacture	China				
Electrical Parameters					
Energy Capacity	13.99 kWh	27.98 kWh	41.97 kWh	55.96 kWh	69.95 kWh
Usable Capacity	13.99 kWh	27.98 kWh	41.97 kWh	55.96 kWh	69.95 kWh
Depth of Discharge (DoD)	100%				
Rated DC power	4.8 kW	9.6 kW	14.4 kW	19.2 kW	24 kW
Nominal Voltage	48 Vd.c.				
Operating Voltage Range	45 to 54 Vd.c.				
Operating Parameters					
Max. Charging Current	100 Ad.c.				
Max. Discharging Current	100 Ad.c.				
Operating Temperature Range	-10℃ to +50℃				
Relative Humidity	0~95%				
BMS					
Modules Connection	1	2	3	4	5
Monitoring Parameters	System voltage , current , cell voltage , cell temperature , PCBA temperature				
Communication	Can and RS-485 compatible				
Certification					
Transportation	UN 38.3				
Safety	IEC 62619 (Cell), IEC 62619 (Pack), IEC 62040-1 (Pack)				

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