

● YOUR
● SMART
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BATTERY

SMILE-BAT-10.1P

RESIDENTIAL SERIES


CAPACITY
10.1 kWh Modular



Modular
Plug & Play
Safe
Long Lifespan

BATTERY SMILE-BAT-10.1P



Model	SMILE-BAT-10.1P
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	
System Weight	92 kg
Dimension (W x D x H)	610 x 236 x 678 mm
IP Protection	IP65
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	10.1 kWh
Usable Capacity	9.1 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	48 V
Operating Voltage Range	45 ~ 54 V
Internal Resistance	≤ 30 mΩ
Cycle Life	8000*
Operation	
Max. Charging/Discharging Current	100 A (0.5C)
Max. Charging/Discharging Power	4800 W
Max. Short-circuit Current	200 A
Operating Temperature Range	-10 °C ~ 50 °C**
Humidity	15% ~ 85%
BMS	
Modules Connection	1 ~ 6 in parallel
BS Model	SMILE-BAT-10.1P / SMILE-BAT-10.1Px2 / SMILE-BAT-10.1Px3 / SMILE-BAT-10.1Px4 / SMILE-BAT-10.1Px5 / SMILE-BAT-10.1Px6
Capacity	10.1 / 20.2 / 30.2 / 40.3 / 50.4 / 60.5 kWh
Usable Capacity	9.1 / 18.1 / 27.2 / 36.3 / 45.4 / 54.4 kWh
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 ambient temperature is too low or too high, the performance of battery may be limited.



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