

YOUR
SMART
ENERGY



BATTERY SMILE-BAT-5P

RESIDENTIAL SERIES

CAPACITY ►

5.04 kWh modular



Modular
Plug & play
Safe
Long lifespan



SMILE-BAT-5P



Model	SMILE-BAT-5P
Physical	
Battery Type	LFP (LiFePO4)
Weight	48 kg
Dimension (W x D x H)	640 x 250 x 345 mm
IP Protection	IP65 (Outdoor)
Warranty	10 Year Battery Warranty
Electrical	
Energy Capacity	5.04 kWh
Usable Capacity	4.79 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	48 V
Operating Voltage Range	45 ~ 54 V
Cycle Life	6000*
Operation	
Max. Charging Current	60 A
Max. Discharging Current	60 A
Operating Temperature Range	-10 C ~ + 50 C **
Humidity	0~95%
BMS	
Modules Connection	1 ~ 6 SMILE-BAT-5P in parallel
Capacity	5.0 / 10.1 / 15.1 / 20.2 / 25.2 / 30.2 kWh
Modules Connection	4.8 / 9.6 / 14.4 / 19.2 / 23.9 / 28.7 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 temperature is below 0 °C or above 40 °C, the performance will be limited.



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