

YOUR
SMART
ENERGY



BATTERY
SMILE-BAT-5P
RESIDENTIAL SERIES

CAPACITY
5.04 kWh Module



- Modular
- Plug & Play
- Safe
- Long Lifespan

BATTERY SMILE-BAT-5P



Model		SMILE-BAT-5P
Physical		
Battery Type	LFP (LiFePO ₄)	
Weight	48 kg	
Dimensions (W x D x H)	640 x 250 x 345 mm	
IP Protection	IP65 (Outdoor)	
Warranty	10 Years Battery Performance Warranty	
Electrical		
Energy Capacity	5.04 kWh	
Usable Capacity	4.788 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***	
Relative Humidity	0 ~ 95% (No Condensation)	
BMS		
Modules Connection	1 ~ 6 SMILE-BAT-5P in parallel	
Energy Capacity	5.0 / 10.1 / 15.1 / 20.2 / 25.2 / 30.2 kWh	
Usable Capacity	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	UN 38.3	
Safety	IEC 62619 (Cell), IEC 62619 (Pack)	

* Test condition: Max. 0.5C charge/discharge at 25±2 C.

** Under specific test conditions.

*** Max. charge/discharge current derating may occur with changes in temperature and SoC.



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