

● YOUR
● SMART
● ENERGY



BATTERY SMILE-BAT-8.2PHA

RESIDENTIAL SERIES

CAPACITY ►

8.2 kWh modular



Modular

Plug & play

Safe

Long lifespan



BATTERY SMILE-BAT-8.2PHA



Model	SMILE-BAT-8.2PHA
Physical	
Battery Type	LFP (LiFePO4)
Weight	89 kg
Dimension (W x D x H)	580 x 213 x 820 mm
IP Protection	IP65 (Outdoor)
Warranty	10 Year Battery Warranty
Electrical	
Energy Capacity	8.2 kWh
Usable Capacity	7.8 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	256 V
Operating Voltage Range	240 ~ 288 V
Cycle Life	10 000*
Operation	
Max. Charging Current	38.4 A
Max. Discharging Current	38.4 A
Operating Temperature Range	-10 °C ~ + 50 °C **
Humidity	15 ~ 85%
BMS	
Modules Connection	1 ~ 6 in parallel
Capacity	8.2 / 16.4 / 24.6 / 32.8 / 41.0 / 49.2 kWh
Usable Capacity	7.8 / 15.6 / 23.3 / 31.1 / 38.9 / 46.7 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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