

YOUR  
SMART  
ENERGY



# BATTERY SMILE-BAT-8.2PH

RESIDENTIAL SERIES

CAPACITY ▶

8.2 kWh modular



Modular

Plug & play

Safe

Long lifespan



# BATTERY SMILE-BAT-8.2PH



Model	SMILE-BAT-8.2PH
<b>Physical</b>	
Battery Type	LFP (LiFePO4)
Weight	71 kg
Dimension (W x D x H)	580 x 230 x 730 mm
IP Protection	IP21 (Indoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
<b>Electrical</b>	
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*
<b>Operation</b>	
Max. Charging Current	32 A
Max. Discharging Current	32 A
Operating Temperature Range	10 °C ~ 50 °C**
Humidity	15 ~ 85%
<b>BMS</b>	
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
<b>Certification</b>	
Transportation	UN38.3
Safety	IEC 62619 (Cell)

\*Under specific test conditions

\*\* When the temperature is below 10 °C or above 50 °C, the performance will be limited.



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