

• YOUR  
• SMART  
• ENERGY



## BATTERY

# SMILE-G3-BAT-8.2P

### RESIDENTIAL SERIES

**CAPACITY**  
8.2 kWh Modular



Modular  
Plug & Play  
Safe  
Long Lifespan



# BATTERY

# SMILE-G3-BAT-8.2P



Model	SMILE-G3-BAT-8.2P
Physical	
Battery Type	LFP (LiFePO <sub>4</sub> )
Weight	72 kg
Dimension (W x D x H)	610 x 212 x 793 mm
IP Protection	IP21 (Indoor)
Warranty	5 Year Product Warranty, 10 Year Performance 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	8 000*
Operation	
Max. Charging Current	32 A
Max. Discharging Current	32 A
Operating Temperature Range	-10 °C ~ 50 °C**
Relative 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
Certification	
Transportation	UN38.3
Safety	IEC 62619

\*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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