



YOUR
SMART
ENERGY



BATTERY SMILE-BAT-5.8P

RESIDENTIAL SERIES

CAPACITY ▶

5.8 kWh modular



- Modular
- Plug & play
- Safe
- Long lifespan

BATTERY SMILE-BAT-5.8P



Model	SMILE-BAT-5.8P
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	HIGEE
System Weight	69 kg
Dimension (W x D x H)	610 × 207 × 626 mm
IP Protection	IP21 (Indoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	5.8 kWh
Usable Capacity	5.2 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	48 V
Operating Voltage Range	45 ~ 54 V
Internal Resistance	≤20 mΩ
Cycle Life	10 000*
Operation	
Max. Charging Current	56 A (0.5C)
Max. Discharging Current	56 A (0.5C)
Operating Temperature Range	-10 °C ~ 50 °C**
Humidity	15% ~ 85%
BMS	
Modules Connection	1 ~ 6 in parallel
Capacity	5.8 / 11.5 / 17.3 / 23.0 / 28.8 / 34.6 kWh
Usable Capacity	5.2 / 10.4 / 15.6 / 20.7 / 25.9 / 31.3 kWh
Communication	CAN and RS-485 compatible
Certification	IEC 62619 (Cell), ANSI/UL 1973 (Cell)

*Under specific test conditions

**When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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