

BATTERY SMILE-G3-BAT-4.0S



Model		SMILE-G3-BAT-4.0S
Physical Parameters		
Battery Type	LFP (LiFePO ₄)	
Cell Manufacturer	PTL	
Installation Method	Wall-Mounted / Floor	
Dimensions (W x D x H)	610 x 250 x 435 mm	
Weight	40 kg	
IP Protection	IP65	
Warranty	10 Years Battery Product and Performance warranty	
Electrical Parameters		
Energy Capacity	4.0 kWh	
Usable Capacity	3.8 kWh	
Depth of Discharge (DoD)	95%*	
Cycle Life	10 000**	
Nominal Voltage	96 V	
Operating Voltage Range	90 ~ 108 V	
Operation Parameters		
Max. Charging Current	42 A	
Max. Discharging Current	42 A	
Operating Temperature Range	-10 °C ~ 50 °C***	
Humidity	0% ~ 95%	
BMS		
Modules Connection	1 ~ 4 in series connection	
Capacity	4.0 / 8.0 / 12.0 / 16.0 kWh	
Usable Capacity	3.8 / 7.6 / 11.4 / 15.2 kWh	
Monitoring Parameters	System Voltage, Current, Cell Voltage, Cell Temperature, PCBA Temperature Measurement	
Communication	CAN	
Certifications		
Transportation	UN 38.3	
Safety	IEC63056, IEC62619, IEC62060	

* 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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