



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
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 ~ 6 in series connection
Capacity	4.0 / 8.0 / 12.0 / 16.0 / 20.0 / 24.0 kWh
Usable Capacity	3.8 / 7.6 / 11.4 / 15.2 / 19.0 / 22.8 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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