





Energy Storage System (ESS) for residential applications -

STORION SERIES SMILE-B5-GW



✓ Key Features

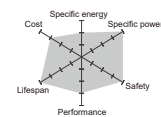
- S**elf sufficient
- M**odular battery
- I**ntelligent control
- L**ong lifespan
- E**ssential load protected
- 5** kW system

-  **Fast response**
-  **Light load threshold**
-  **UPS ability**
-  **24/7 Monitoring**



Real-time Monitoring

All systems can be monitored by **Web and iOS/Android APP.**



Safest Chemistry

AlphaESS uses Li-phosphate for its excellent safety and long lifespan.

About AlphaESS

As one of the earliest pioneers in energy storage market with lithium iron technology, AlphaESS has a vision to pave the path for everyone in the world to enjoy clean energy one day.

AlphaESS is a multinational company that currently has more than 10'000 residential and commercial systems running in 30 countries globally and its products are accredited by IEC, TÜV, CEC and many other international standards.

All AlphaESS energy systems are integrated with smart energy management solutions. AlphaESS is committed to revolutionize the future energy network through our patented German technologies.



Official Website



Scan to download APP (iOS/Android)



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System Specification	
Model	Storion-SMILE-B5-GW
Nominal Output Power	5000 W
Capacity Range	5.7 / 11.4 kWh (96% DoD)
Usable Capacity Range	5.5 / 11.0 / 16.5 / / 33.0 kWh
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP21 / IP65
Warranty	5 Year Product Warranty, 10 Year Performance Warranty

Inverter Technical Specification			
Model	GW5000S-BP	Display	LED & APP
Max. Charge Current	100 A	Communication	WiFi, RS485, CAN
Max. Discharge Current	100 A	Humidity	0% ~ 95% (No Condensing)
Max. Charge/Discharge Power	5000 W	Dimensions (W x D x H)	347 mm x 432 mm x 190 mm
Rated Input/Output Voltage	230 Vac	Weight	18.5 kg
Grid Voltage Range	230 V (±2%)	Certification	VDE-AR-N 4105, VDE 0126-1-1, CEI0-21, UNE206006, EN50438, AS/NZS4777.2:2015, G83/2, G100, C10/11, RD1699,
Rated Frequency	50/60 Hz	Safety	IEC62477-1, IEC62040-1
Phase	Single-Phase	EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-4-16, EN 61000-4-18, EN 61000-4-29
Backup	UPS		

Battery Technical Specification	
Module Model	SMILE5-BAT
Module Capacity	5.7 kWh
Module Nominal Voltage	51.2 V
Operating Temperature Range	-10 °C ~ 50 °C*, 0 °C ~ 40 °C (0.5C)
Max. Modules in Parallel	6
Max. Charge/Discharge Current	56 A (0.5C)
Cycle Life	10 000**

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



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