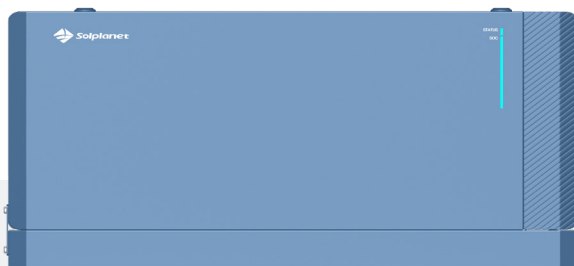


Low Voltage Battery 5.12 kWh

Ai-LB-G3 Series



Model:
ASW5120-LB-G3



Optimal performance

- Low self and standby consumption
- Enhanced SOC measurement accuracy for optimal battery management
- Supports up to 1C charge / discharge rate



Safe & Reliable

- IP66 rated design for indoor and outdoor use
- Designed in accordance with global safety standards
- Integrated fire suppression system
- Smarter and safer battery management system for precise diagnostics
- Integrated MOSFET and dual fuse protection for superior safety and reliability

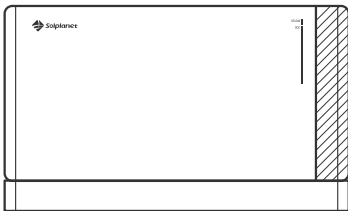


User-friendly

- Flexible expansion, maximum support for expansion up to 163 kWh
- Elegant design with concealed cable management
- Compact, lightweight modules for easier handling and installation
- 5 selections for operating (LED) indicator via Solplanet App

Technical Datasheet

ASW5120-LB-G3

System Data	Module	
	Cell type	LiFePO4
	Rated capacity	100 Ah
	Nominal energy ¹	5.12 kWh
	Usable energy ²	5.12 kWh
	Nominal battery voltage	51.2 V
	Battery voltage range	40 V - 58.4 V
	Recommended charge/discharge current	60 A
	Max. charge / discharge current	100 A
	Rated DC power	3.07 kW
	Rated charge / discharge power	3.07 kW
	Max. charge / discharge power	5.12 kW
General Data	Dimensions (W/D/H)	630 / 185 / 320 mm
	Module Weight	46.0 kg
	Base weight	2.6 kg
	Installation location	Indoor / Outdoor
	Mounting method	Floor mounted / Wall mounted
	Operating temperature range	Charging: -8 °C ~ 58 °C Discharging: -18 °C ~ 58 °C
	Storage temperature range	-20°C ~ 60°C
	Cooling concept	Natural convection
	Protective class	II
	Degree of protection	IP66
	Relative humidity	5 % - 95 %, non-condensing
	Max. operating altitude	4000 m (> 3000 m derating)
	Communication	CAN
	Country of manufacture	China
	Certification	IEC 62619, IEC 62040, IEC 62477, IEC 63056, IEC 61000
	Life cycle ³	6000 times
	Round-trip efficiency	≥ 95 %

1. Nominal energy is defined under the following conditions: battery voltage 40 ~ 58.4V, 0.5C charge & discharge at +25 °C.

2. Usable energy is defined under the following conditions: 0.2C charge & discharge at +25 °C, 100 % DOD.

3. Life cycle is defined under the following conditions: 0.5C charge & discharge at 25 °C (One cycle a day), 90 % DOD, 70 % EOL.

