

Low Voltage Battery 5 to 10 kWh

Ai-LB Pro Series



Models:
Ai-LB 5K Pro
Ai-LB 10K Pro



Efficient and Intelligent

- Max. discharging rate up to 1C
- Expandable up to 160 kWh (32 units in parallel)
- Automatic identification of parallel master and slave machines
- Online monitoring via Solplanet apps



Safe and Reliable

- LFP safe technology
- All-round BMS protection
- High quality cell inside
- IP65 rated design for outdoor use



Widely Applicable

- Charging at low temperature -5°C
- Multi-use applications: self-consumption, peak shaving, time of use tariffs



User-friendly

- Elegant design with hidden cable connection
- Compact and light-weight design
- Floor/wall mounted, stackable (5k only) design, easy to install with basic tools

Technical Datasheet

Ai-LB 5K Pro

Ai-LB 10K Pro

		Ai-LB 5K Pro	Ai-LB 10K Pro
System Data	Cell type	LiFePO4	
	Nominal energy	5.12 kWh	10.24 kWh
	Nominal battery voltage	51.2 V	
	Battery voltage range	44.8 V~58.4 V	
	Max. charging / discharging current	0.6 C, 60 A / 1 C, 100 A	0.6 C, 120 A
	Max. charging / discharging power	3.07 kW / 5.12 kW	6.14 kW
General Data	Dimensions (W/D/H)	460*165*652 mm	550*165*867 mm
	Weight	50 kg	94 kg
	Installation location	Indoor / Outdoor	
	Mounting method	Floor mounted / Wall mounted	
	Operating temperature range	Charging: -5°C ~ 55°C Discharge: -15°C ~ 55°C	
	Storage temperature range	-15°C ~ 55°C	
	Cooling concept	Natural convection	
	Degree of protection	IP65	
	Relative humidity	<95% RH, non-condensing	
	Max. operating altitude	3000m	
	Scalability	Max.32 sets in parallel	Max.16 sets in parallel
	Communication	CAN / RS485 / Dry Contact / WiFi	
	Country of manufacture	China	
	Certification	TUV / IEC 62619 / IEC 62040 / IEC 61000 / UN38.3	
	Life cycle ¹	6000 times	

1. Life Cycle is defined under the following conditions: 25°C/0.5C/80%DOD/80%SOH/1 cycle per day
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