

Battery Box

High Voltage LFP Stackable Battery Box
8-32kWh



314 Ah
Battery Cells

Modular Energy Optimizer

Supports mixing old and new battery modules

-20 °C
Operating Temperature,
Heating Module Inside

Built-in Safety Protection

Built-in Aerosol Fire Suppression System
Built-in Key Gas Detection System

Powered by
ECOS
ECOS Smart Home
From WHES

 **Battery Heating
Technology**



Scalable

- 8kWh per battery module, scalable from 8kWh to 32kWh per unit.
- Max. 2 units in parallel, up to 64kWh capacity range.

Smart

- Built-in modular energy optimizer enables compatibility of old and new battery modules.
- Supports intelligent heating module, providing a wider operating temperature range.

Safe

- Multi-layer protection design, including built-in aerosol fire suppression system and built-in key gas detection system.
- Physical and electrical dual isolation for enhanced safety.

Convenient

- Integrated plug-in terminal, saving 75% installation time between modules.
- IP66, indoor or outdoor application.

Contact Us

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Battery Box

Technical Specifications

Model	BXA-8kWh-1P		BXA-8kWh-2P		BXA-8kWh-3P		BXA-8kWh-4P		
System Data									
Product Name		Rechargeable LFP Battery system							
Battery Type		LFP, 3.2 V / 314 Ah							
Configuration		1P(1P8S)		2P(1P8S)		3P(1P8S)		4P(1P8S)	
Rated Capacity		314 Ah / 8 kWh		628 Ah / 16 kWh		942 Ah / 24 kWh		1256 Ah / 32 kWh	
Usable Battery Capacity		8 kWh		16 kWh		24 kWh		32 kWh	
Depth of Discharge ¹		100%							
Rated Battery Voltage		430 V							
Voltage Range		350...460 V							
Recommended Charging/ Discharging Current		9.7 A		19.4 A		29.1 A		38.8 A	
Max. Charging/Discharging Current		10.5 A		21 A		31.5 A		42 A	
Standard Charging/ Discharging Power		4.2 kW		8.4 kW		12.6 kW		16.8 kW	
General Data									
Dimensions (W*D*H)		775*270*580 mm		775*270*910 mm		775*270*1240 mm		775*270*1570 mm	
Weight		95 kg		173 kg		251 kg		329 kg	
Operating Temperature Range		-20°C...+55°C							
Storage Temperature Range ²		-30°C...+60°C							
Relative Humidity		0%...100%							
Altitude		3000 m (derated above 2000m)							
Cooling		Natural Convection							
Noise		<25 dB							
Ingress Protection		IP66							
Display		LED/APP							
Protective Class		I							
Firefighting		Aerosol							
Communication		CAN							
Installation		Floor-standing (standard)							
Standard ³		UN38.3, IEC62619, IEC61000, IEC63056, IEC62040							

¹Test conditions: 100% depth of discharge, 0.2c rate charge & discharge averagely at 25°C, at the beginning of life.

²If the battery is expected to be stored for more than 30 days, the SOC should be adjusted to 50% every three months.

³For all standards refer to the certificates category on the WHES website.

* The product features a shiny silver color design with a mirror-like logo, which exhibits subtle color variations under different lighting conditions.

* All information reflects the current state of technology at the time of printing and is subject to change. Despite careful editing, no liability is assumed.