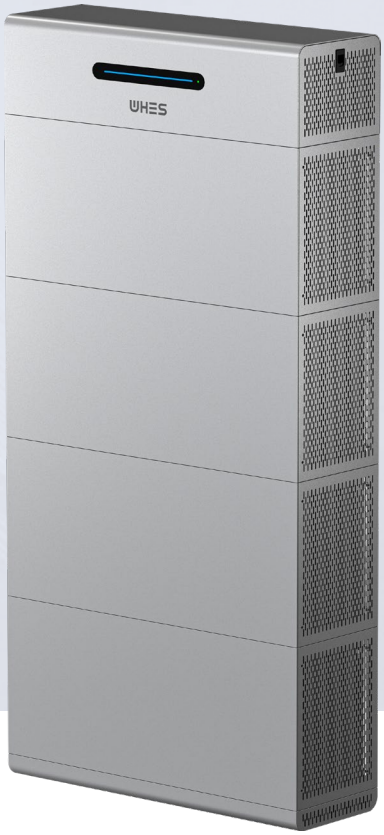
Battery Box

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 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 aersol 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
www.whes.com
service@whes.com

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			

Made in China.

[1] Test conditions: 100% depth of discharge, 0.2c rate charge & discharge averagely at 25°C, at the beginning of life.
[2] If the battery is expected to be stored for more than 30 days, the SOC should be adjusted to 50% every three months.
[3] For 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.