

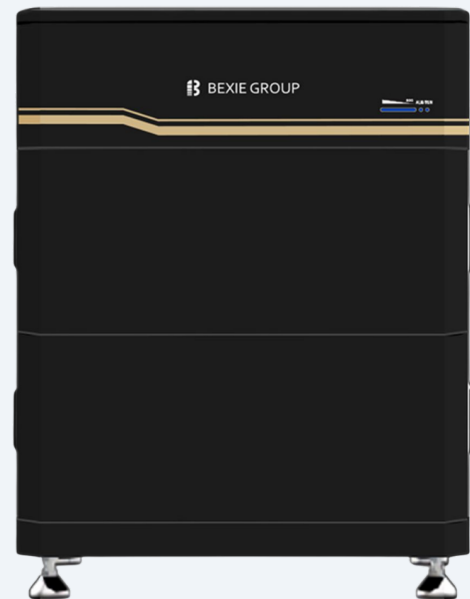
TECHNICAL DATASHEET

High-voltage Battery

BXB10-30KHV // COMMERCIAL USE // INDUSTRIAL USE

Modular high-voltage solar battery with capacities from 10 to 30 kWh, expandable by connecting 2 to 6 units in series. Designed for residential indoor and outdoor energy storage, off-grid and microgrid installations, and as a UPS power source. Certified to IEC61000, IEC62477, IEC62619, and VDE2510 standards.

- ✓ Support black start.
- ✓ Quick stackable plug-in design.
- ✓ Support low temperature charging and discharging.
- ✓ IP55 outdoor and indoor application.
- ✓ Parallel capacity up to 10 clusters.
- ✓ Reliable battery cells and BMS control.



FEATURES



FAST CHARGE



SAFE BMS



HIGH CAPACITY



SOLAR STORAGE



LONG CYCLE LIFE



MODULAR EXPANSION



+34 985 194 232

www.bexieenergy.comCalle Peña Santa 68, Polígono
Industrial Silvota, 33192, Llanera, Asturias

MODEL	BXB 5KHV	BXB 10KHV	BXB 15KHV
ELECTRICAL CHARACTERISTICS			
Battery Module Quantity	1*	2	3
Total Capacity	50Ah		
Nominal Voltage	102.4V	204.8V	307.2V
Dimensions (WxHxD)	560 x 400 x 503mm	560 x 400 x 735mm	560 x 400 x 967mm
Total Energy	5.1kWh	10.2kWh	15.3kWh
Rated Charge/ Discharge Current	30A, 0.6C		
Weight	89.2kg, 196.7lbs	148.1kg, 196.7lbs	207.6kg, 457.7lbs
Design Cycle Life	6,000, 0.5C at 25°C, 80% DOD, 80% SOH		
Operating Temperature 1*	Charging Temperature: -5°C ~ 55°C/5°F ~ 131°F Discharging Temperature: -15°C ~ 55°C/5°F ~ 131°F		
Storage Temperature 2*	-15°C ~ 55°C, 5°F ~ 131°F		
Self-Discharge Rate of Module	≤2% per month, at 25°C/77°F		
Max. Parallel Capacity	307kWh		
Ingress Protection	IP55, in stacked up state		
Certificates & Standards	IEC 62619/EN 61000-6-1 & EN 61000-6-3/UN38.3/RoHS, REACH		

MODEL	BXB20KHV	BXB 25KHV	BXB 30KHV
ELECTRICAL CHARACTERISTICS			
Battery Module Quantity	4	5	6
Total Capacity	50Ah		
Nominal Voltage	409.6V	512V	614.4V
Dimensions (WxHxD)	560 x 400 x 1199mm	560 x 400 x 1431mm	560 x 400 x 1663mm
Total Energy	20.4kWh	25.6kWh	30.7kWh
Rated Charge/ Discharge Current	30A, 0.6C		
Weight	266.8kg, 588.2lbs	326kg, 718.7lbs	385.2kg, 849.2lbs
Design Cycle Life	6,000, 0.5C at 25°C, 80% DOD, 80% SOH		
Operating Temperature 1*	Charging Temperature: -5°C ~ 55°C/5°F ~ 131°F Discharging Temperature: -15°C ~ 55°C/5°F ~ 131°F		
Storage Temperature 2*	-15°C ~ 55°C, 5°F ~ 131°F		
Self-Discharge Rate of Module	≤2% per month, at 25°C/77°F		
Max. Parallel Capacity	307kWh		
Ingress Protection	IP55, in stacked up state		
Certificates & Standards	IEC 62619/EN 61000-6-1 & EN 61000-6-3/UN38.3/RoHS, REACH		

NOTES

(1*) Recommended operating temperature: 10 ~ 30°C/50°F ~ 86°F. (2*) Recommended storage temperature: 10 ~ 30°C/50°F ~ 86°F. (*) This product requires a minimum of two battery modules (10kW) for operation.