

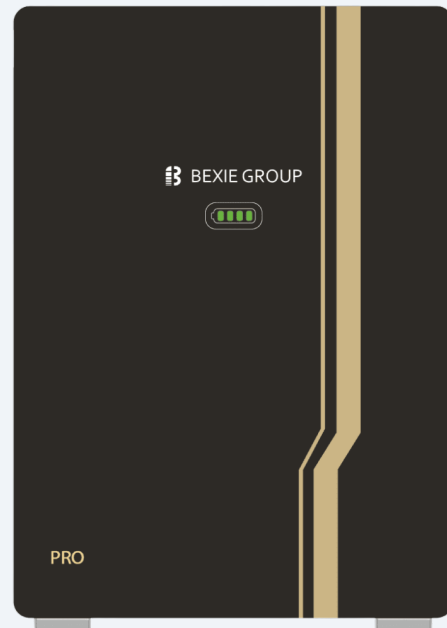
TECHNICAL DATASHEET

Low-voltage Battery

BXB 5KLV-PRO // RESIDENTIAL USE // COMMERCIAL USE

PRO residential low-voltage solar battery with a 5 kWh capacity and multi-parallel configuration, allowing storage expansion according to your energy needs. Designed to maximize efficiency and comfort in residential solar self-consumption installations. Certified to IEC61000, IEC62619, UKCA, and RoHS standards.

- ✓ Tier-One LFP Battery Cells.
- ✓ Self-Innovating BMS.
- ✓ Supports Charging Down to -5 °C.
- ✓ Automatic Parallel Configuration.
- ✓ IP65.
- ✓ Max. 32 Sets in Parallel.



FEATURES



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MODEL	BXB 5KLV-PRO
ELECTRICAL CHARACTERISTICS	
Cell Type	LiFePO ₄
Rated Capacity	100Ah
Rated Voltage	51.2V
Rated Energy	5.12kWh
Working Voltage Range	44.8V-58.4V
Max. Parallel Quantity	32 sets, 163.84kWh
Max. Charge Current	0.6C, 60A
Max. Continuous Discharge Current	1C, 100A
Max. Charge / Discharge Power	3.07kW / 5.12kW
Peak Discharge Current / Power	105A / 5.37kW, 1min.
Available SOC Range	0% ~ 100%
Dimensions (WxDxH)	460 x 165 x 652mm (±5)
Weight	~110.2lbs / ~50kg
Operating Temperature [1]*	Charge: -5°C~55°C / 23°F~131°F Discharge: -15°C~55°C / 5°F~131°F
Storage Temperature [2]*	-15°C~55°C / 5°F~131°F
Working Humidity	<95% RH (non-condensing)
Altitude [3]*	≤2,000m / 6,562ft
Communication	CAN, RS485, Dry Contact, WiFi
Cycle Life [4]*	8,000 cycles
Fire Extinguisher in Pack	Yes
Heating Film in Pack	Yes
Installation Methods	Floor-standing / Wall-mounted
IP Rating	IP65
Certification	IEC 62619, IEC 62040, IEC 61000, UN 38.3

NOTES

[1*] Recommended operating temperature: 10°C~30°C / 50°F~86°F. [2*] Recommended storage temperature: 10°C~30°C / 50°F~86°F. [3*] Recommended working height is less than 2,000 m, and the max. working height is 3,000 m. [4*] Under specific test conditions (90% DOD, 0.2C charge and discharge at +25°C).