

# BXB 5KLV-PRO

RECHARGEABLE LITHIUM-ION BATTERY

Low Voltage



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



+34 985 194 232



[www.bexieenergy.com](http://www.bexieenergy.com)



Calle Peña Santa 68, Polígono Industrial  
Silvota, 33192, Llanera, Asturias



## RECHARGEABLE LITHIUM-ION BATTERY

Model	BXB 5KLV-PRO
Electrical Characteristics	
Cell Type	LiFePO4
Rated Capacity	100 Ah
Rated Voltage	51.2 V
Rated Energy	5.12 kWh
Working Voltage Range	44.8 V - 58.4 V
Max. Parallel Quantity	32 sets, 163.84 kWh
Max. Charge Current	0.6C, 60A
Max. Continuous Discharge Current	1C, 100 A
Max. Charge / Discharge Power	3.07 kW / 5.12 kW
Peak Discharge Current / Power	105 A / 5.37 kW, 1 min.
Available SOC Range	0% ~ 100%
Dimensions (W x D x H)	460x165x652 mm (±5) 18.11*6.50*25.67 in (±5)
Weight	~110.2 lbs / ~50 kg
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*]	≤ 2,000 m / 6,562 ft
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
Warranty [5*]	15-Year
IP Rating	IP65
Certification	IEC 62619, IEC 62040, IEC 61000, UN 38.3

[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 2000 m, and the max. working height is 3000 m.

[4\*] Under specific test conditions (90% DOD, 0.2 C charge and discharge at +25 °C)

[5\*] Under the condition of annual maintenance performed by BEXIE-certified professionals, and in accordance with the Bexie limited factory warranty



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