

GB3-DC-ONLY-0211

PRELIMINARY



Battery Energy Storage System (BESS)

NEW Available Q2 2026



PRODUCT OVERVIEW

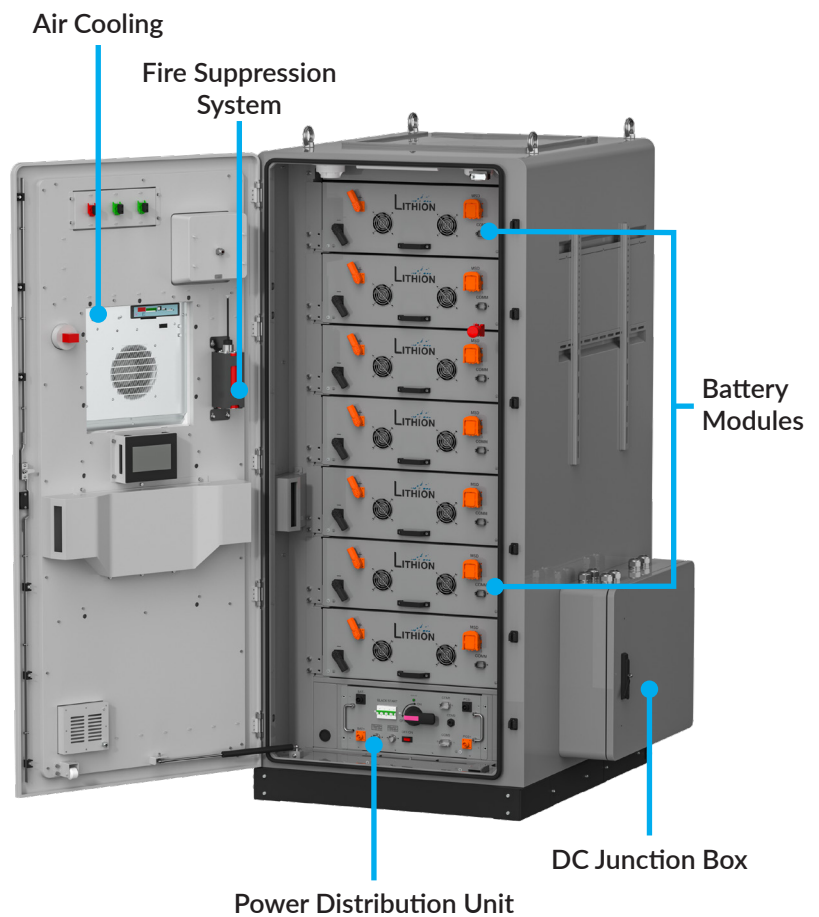
The GridBox GB3 Battery Energy Storage System (BESS) is a high-energy-density solution designed specifically for commercial and industrial applications. The GB3 features LFP battery modules, integrated module- and system-level fire detection and suppression, air cooling, and overcurrent protection.

A purpose-built IP55 enclosure protects against environmental elements, extending the service life of the system. Intelligent battery management technology further improves safety and supports long-term system performance.

The system is built as a DC-only block, allowing it to pair with the inverter of your choice.

KEY FEATURES

- Dimensions (W × H × D):
48" × 91 1/2" × 63"
- LiFePO4 chemistry, stable discharge platform, excellent safety performance, long cycle life.
- Certifications (Pending): UL 9540 DC ESS, UL9540A, UL1973, UN38.3
- U.S.-made Lithion XB BMS with three-level protection, CANbus/Modbus support, UL/IEC safety compliance, SOH reporting, and SD-card event logging.
- 24/7 performance monitoring capabilities.



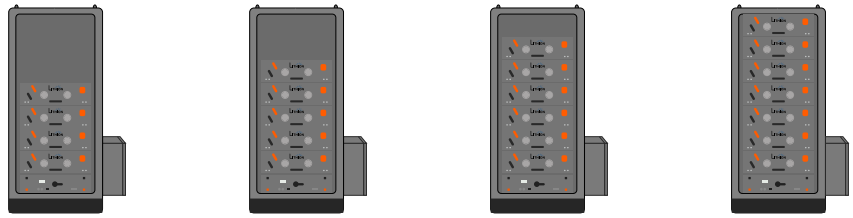
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CONFIGURATION OPTIONS



	4 Modules	5 Modules	6 Modules	7 Modules
Nominal Energy Capacity	120 kWh	150 kWh	180 kWh	211 kWh
System Nominal Voltage	384 V	480 V	576 V	672 V
System Operating Voltage	336 V - 438 V	420 V - 547 V	504 V - 657 V	567 V - 756 V

ELECTRICAL SPECIFICATIONS

Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)	Warranty	10 Years
Battery Configuration	210S1P (7 packs @ 30S1P)	Fire Suppression	Integrated
Battery Max. Continuous Power	105.5 kW (25°C, 665.6 VDC, 0.5 C)	Nominal Cell Capacity	314 Ah
Battery Cycle Life	70% retention with 8,000 cycles	Continuous Current	157 A (C/2)
Certifications (Pending)	UL9540 DC ESS, UL9540A, UL1973, UN38.3, UN3480	Scalability (Parallel)	8 Units (1688 kWh)

MECHANICAL SPECIFICATIONS

Material and Finish	Steel with corrosion resistant powder coating
Thermal Management System (TMS)	Dantherm HVAC
Operating Temperature	-40°C to 55°C (-40°F to 131°F)
Storage Temperature	-20°C to 45°C (0°F to 110°F)
Net Weight	2,490 kg (5,490 lbs.)
Relative Operating Humidity	0-95% (Non-condensing)
Noise Level	@ 1.5m ≤ 65 dB
Ingress Rating	Outdoor IP55 (NEMA 3R)

