

GB3-DC ONLY-0210

Battery Energy Storage System (BESS)



Available Q1 2026



KEY FEATURES

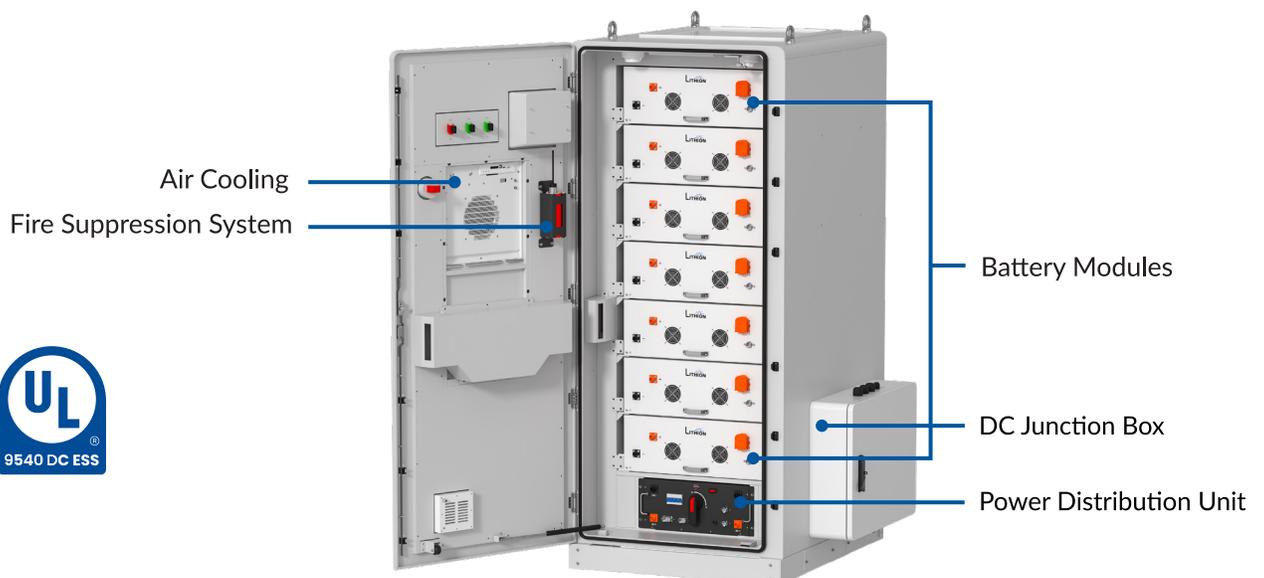
- ▲ Inverter Battery Combo: 4 x 4 x 6.5 Feet
- ▲ LiFePO4 chemistry, stable discharge platform, excellent safety performance, long cycle life.
- ▲ Three-level battery management system, protects against overcharge, over-discharge, over-voltage and other critical functions with fault classification processing.
- ▲ Container designed with front access for easy service and maintenance.
- ▲ Equipped with 24/7 performance monitoring capabilities.
- ▲ Certifications (Pending): UL 9540 DC ESS, UL9540A, UL1973, UN38.3

PRODUCT OVERVIEW

GridBox GB3 Battery Energy Storage System (BESS) is a high-energy-density product specifically designed for Commercial & Industrial applications. The GB3 BESS Solution includes LFP Battery Modules, both module and system fire detection/suppression systems, air-cooled, and over current protection.

The purpose-built IP55 enclosure protects against environmental elements which increases service life of the battery energy storage system. Intelligent battery management technology is leveraged to improve the safety of the system and its lifespan.

This system is built as a DC-only block to pair with the inverter of your choice.



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Battery Energy Storage System (BESS)



ELECTRICAL SPECIFICATIONS

Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Nominal Energy Capacity	211 kWh
System Nominal Voltage	672 V
System Operating Voltage	567 V - 756 V
Battery Configuration	210S1P (7 packs @ 30S1P)
Nominal Cell Capacity	314 Ah
Continuous Current	157 A (C/2)
Battery Max. Continuous Power	105.5 kW (25°C, 665.6 VDC, 0.5 C)
Scalability (Parallel)	8 Units (1688 kWh)
Battery Cycle Life	70% retention with 8,000 cycles

MECHANICAL SPECIFICATIONS

Product Dimensions (WxDxH)	4 x 4 x 6.5 Feet
Net Weight	2,490 kg (5,490 lbs.)
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)
Relative Operating Humidity	0-95% (Non-condensing)
Ingress Rating	Outdoor IP55 (NEMA 3R)
Noise Level	@ 1.5m ≤ 65 dB

GENERAL INFORMATION

Warranty	10 Years
Fire Suppression	Integrated
Certifications (Pending)	UL9540 DC ESS, UL9540A, UL1973, UN38.3