

# GB3-DC-ONLY-0211

Battery Energy Storage System (BESS)



**NEW** Available Q2 2026



## PRODUCT OVERVIEW

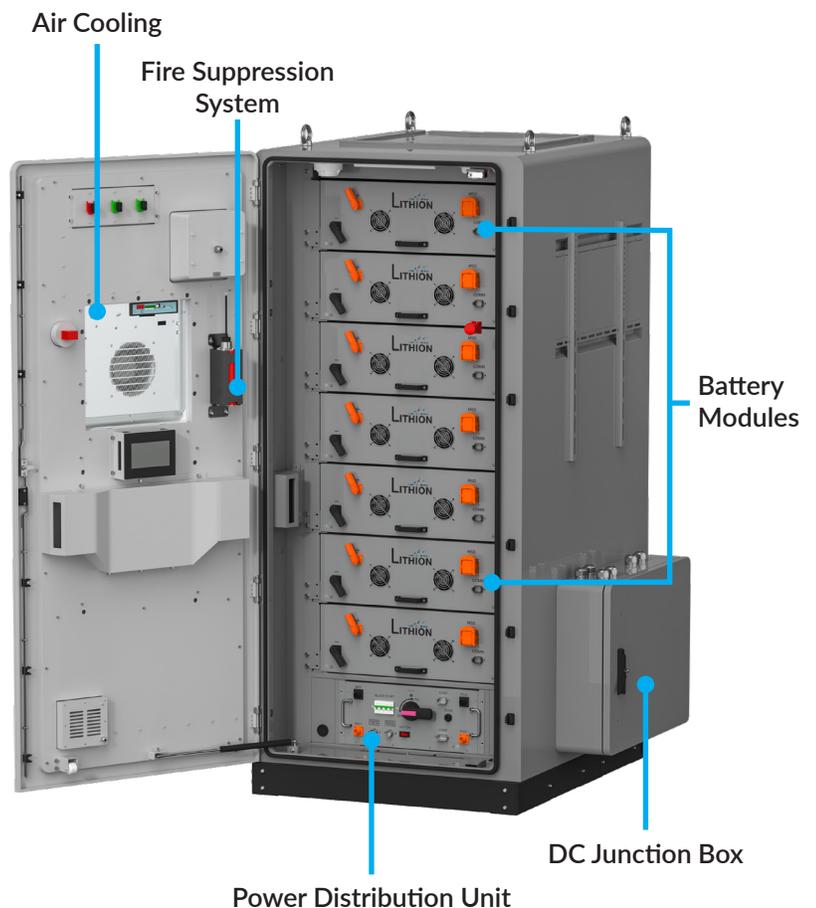
The GridBox GB3 Battery Energy Storage System (BESS) is a high-energy-density solution designed specifically for commercial and industrial applications. The GB3 features LFP battery modules, integrated module- and system-level fire detection and suppression, air cooling, and overcurrent protection.

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

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

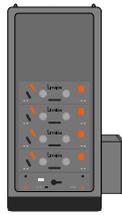


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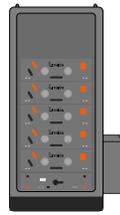
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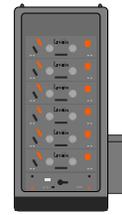
## ELECTRICAL SPECIFICATIONS



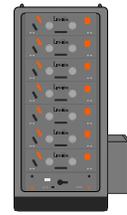
4 Modules



5 Modules



6 Modules



7 Modules

<b>Nominal Energy Capacity</b>	120 kWh	150 kWh	180 kWh	211 kWh
<b>System Nominal Voltage</b>	384 V	480 V	576 V	672 V
<b>System Operating Voltage</b>	336 V - 438 V	420 V - 547 V	504 V - 657 V	567 V - 756 V
<b>Battery Chemistry</b>	Lithium Iron Phosphate (LiFePO <sub>4</sub> )			
<b>Battery Configuration</b>	210S1P (7 packs @ 30S1P)			
<b>Nominal Cell Capacity</b>	314 Ah			
<b>Continuous Current</b>	157 A (C/2)			
<b>Battery Max. Continuous Power</b>	105.5 kW (25°C, 665.6 VDC, 0.5 C)			
<b>Scalability (Parallel)</b>	8 Units (1688 kWh)			
<b>Battery Cycle Life</b>	70% retention with 8,000 cycles			

## MECHANICAL SPECIFICATIONS

<b>Product Dimensions (WxDxH)</b>	4 x 4 x 6.5 Feet
<b>Net Weight</b>	2,490 kg (5,490 lbs.)
<b>Material and Finish</b>	Steel with corrosion resistant powder coating
<b>Thermal Management System (TMS)</b>	Dantherm HVAC
<b>Operating Temperature</b>	-40°C to 55°C (-40°F to 131°F)
<b>Storage Temperature</b>	-20°C to 45°C (0°F to 110°F)
<b>Relative Operating Humidity</b>	0-95% (Non-condensing)
<b>Ingress Rating</b>	Outdoor IP55 (NEMA 3R)
<b>Noise Level</b>	@ 1.5m ≤ 65 dB

## GENERAL INFORMATION

<b>Certifications (Pending)</b>	UL9540 DC ESS, UL9540A, UL1973, UN38.3, UN3480
<b>Warranty</b>	10 Years
<b>Fire Suppression</b>	Integrated

## BMS INFORMATION

The GB3 uses Lithion's proprietary U.S.-made XB BMS and supports CANbus or Modbus communication for compatibility with UL-certified inverters.

It is engineered to meet rigorous UL and IEC safety standards and offers State of Health information, SD-card event logging, and optional remote monitoring.