



Gridbox **20GB** Battery Energy Storage System (BESS)

PRODUCT OVERVIEW

Gridbox 20GB Battery Energy Storage System (BESS) is a high-energy-density product specifically designed for Utility, Commercial & Industrial applications. The 20GB BESS Solution includes our Lithion Battery Modules, bi-directional inverter, isolation transformer, thermal management system, overcurrent protection, and our Gridbox Control System.

An environmental control system is also built in the container, which increases service life of the battery system. Intelligent battery management technology is leveraged to improve the safety of the system and its lifespan.

KEY FEATURES

- ▲ LiFePO4 chemistry, stable discharge platform, excellent safety performance, long cycle life
- ▲ Three-level battery management system, ensures overcharge, over-discharge, over-voltage and other functional protection with fault classification processing mechanisms
- ▲ Modular design, support flexible expansion and front maintenance
- ▲ Utility approved inverters to streamline the utility interconnection
- ▲ Equipped with GridBox controller (GBC) to achieve 24/7 online monitoring of the entire energy storage system.
- ▲ DC Coupling of PV Solar enabled
- ▲ UL9540 Certified, UL9540A tested (battery strings)
- ▲ 10-year warranty



Utility
Commercial and Industrial
Microgrids
Virtual Power Plants
Deployment of EV Charging

AREAS OF APPLICATION

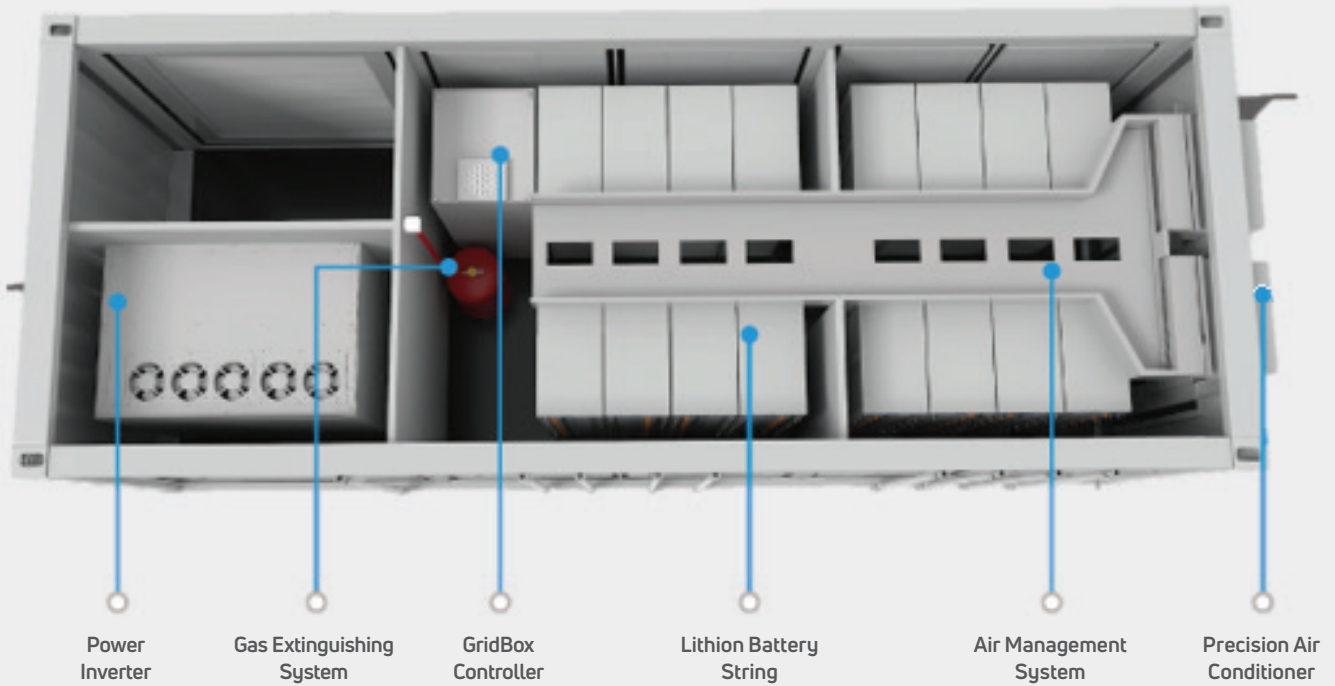


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20GB

CONFIGURATION EXAMPLE



PRODUCT MODEL DEFINITION

20GB 0500 1104

CONTAINER SIZE

INVERTER
(Kw/KVA)

ENERGY CAPACITY
(Kwh)

TECHNICAL SPECIFICATIONS

PRODUCT NUMBER	NOMINAL CAPACITY	RATED VOLTAGE	RUNTIME @ RATED OUTPUT	WEIGHT	INVERTER TYPE
20GB-0500-1104	1104 kWh	480 VOLTS AC	2 HOURS	55,116 LBS	Forming
20GB-1000-2064	2064 kWh	690 VOLTS AC	2 HOURS	56,000 LBS	Parallel



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