

# Gridbox 20GB

## Battery Energy Storage System (BESS)



### PRODUCT OVERVIEW

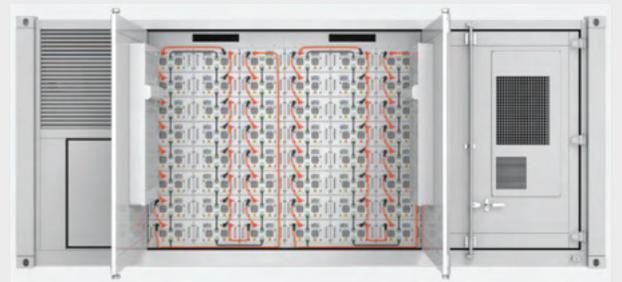
Gridbox 20GB Battery Energy Storage System (BESS) is a high-energy-density product specifically designed for Utility, Commercial & Industrial applications. The 20GB BESS Solution includes LFP Prismatic Modules, bi-directional inverter, isolation transformer, fire detection/suppression system, thermal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

The purpose-built enclosure's environmental control system 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

**BESS Enclosure: 19.9 L x 8 W x 8.5 H Feet**

- ▲ Lithium Iron Phosphate (LFP) chemistry, stable discharge platform, excellent safety performance, long cycle life.
- ▲ Three-level battery management protection system. Protection system includes cell balancing and ensures overcharge, over-discharge, over-voltage and other functional protection with fault classification processing.
- ▲ Modular design supports flexible expansion, increased MWh's and front access for easy maintenance.
- ▲ Utility approved inverters to streamline utility interconnection and Blackstart capable.
- ▲ Equipped with GridBox controller (GBC) to achieve 24/7 remote monitoring of the entire energy storage system.



### AREAS OF APPLICATION

- Utility and C&I
- Energy Arbitrage
- Microgrids
- Virtual Power Plants
- Deployment of EV Charging
- Defer Transmission & Distribution Investment
- Renewable Energy Smoothing

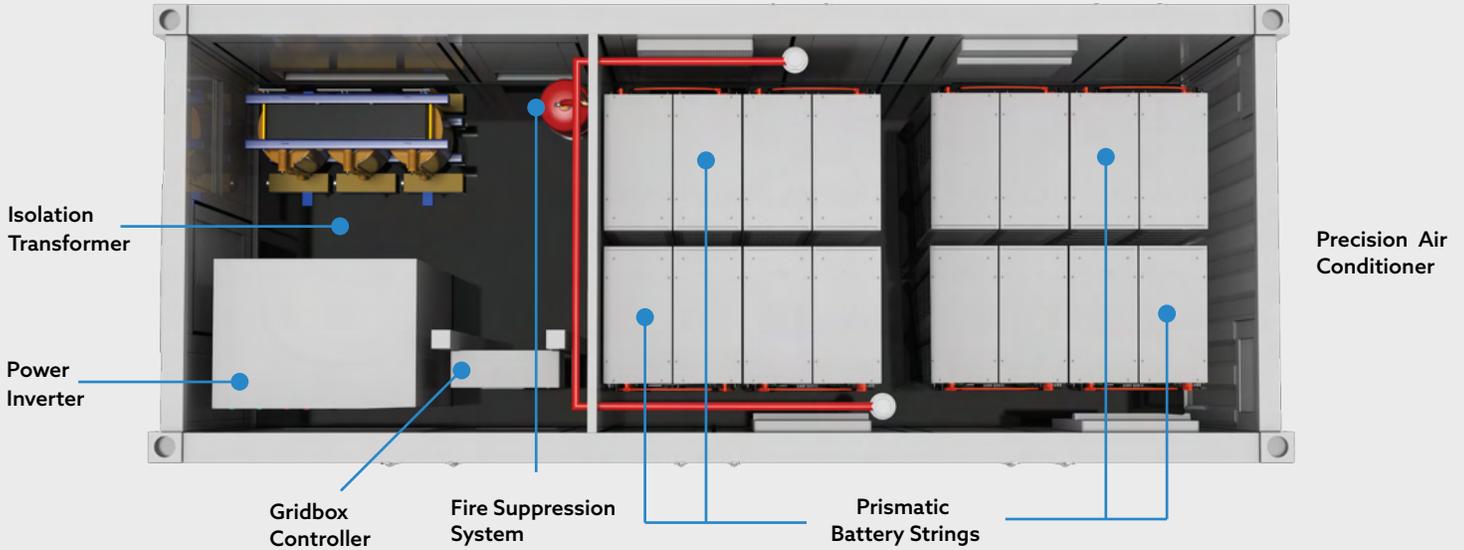
### ASSURANCE AND RELIABILITY

- Optional extended warranty packages
- AC and DC Coupling of PV Solar
- UL9540 Certified, UL9540A tested (battery strings)
- Inverter UL1741 certified
- Factory tested prior to shipment

**LIFE UNINTERRUPTED**

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## 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-0500-0552	552 kWh	480 VOLTS AC	1 HOUR	34,000 LBS	Grid Following/Forming
20GB-0500-1104	1104 kWh	480 VOLTS AC	2 HOUR	46,000 LBS	Grid Following/Forming
20GB-1000-1104	1104 kWh	400 VOLTS AC	1 HOUR	47,000 LBS	Grid Following/Forming
20GB-1200-2064	2064 kWh	690 VOLTS AC	2 HOUR	58,500 LBS	Grid Following
600, 800, 1000 (DC)	1376, 1720, 2064 kWh	1000 - 1500 VOLTS DC	2 HOUR	58,500 LBS	Grid Following/Forming

Scan here for full specs



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