

MODULAR AND TRANSPORTABLE BATTERY ENERGY STORAGE SYSTEM

SCALABLE UP TO 10 MW
FULLY INTEGRATED AND PRE-TESTED
SEASONAL LOAD MANAGEMENT
ADVANCED GRID SUPPORT AND LOAD SUPPLY FEATURES



Modular battery energy storage system (BESS) is a transportable, pre-integrated solution designed for efficient field deployment. It provides a more sustainable alternative to traditional diesel generators, capable of replacing or working alongside them to optimize fuel consumption and reduce runtime. Modular BESS also delivers reliable emergency power and features advanced grid support capabilities, making it a versatile solution for a range of energy needs.



Operating Modes

1. Grid-connected mode for peak shaving or load management.
2. Pair with a Genset (in grid forming) for extending load-serving duration.
3. Standalone mode (off-grid) for reliable supply of critical loads during an outage.

Key Features

- Transportable, skid-mounted battery energy storage system
- Integrated microgrid functionalities (seamless transition and re-synchronization)
- Fast interconnection using Quick connect plugs

Specification	Modular BESS
Power rating	1 MW
Effective energy	2 MWh
Output voltage	480 V, 600 V, three-phase
Operating temperature	-20 °F to +122 °F (-28 °C to +50 °C)
Communications	<ul style="list-style-type: none"> • Modbus/DNP3 (TCP) for third-party SCADA access • LTE cellular (remote monitoring)
Engineered to meet key industry standards	<ul style="list-style-type: none"> • IEEE 1547-2018 • UL 1973, UL 9540 and UL 9540A (cell/module) • NFPA 855
Container dimensions (L x W x D)	30' by 8' by 9' (9.1 m x 2.4 m x 2.9 m)
Weight	~60,000 lbs (27,216 kg)

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