STRYTEN ENERGY

E-SERIES

BESS100

Stryten Energy's Battery Energy Storage System (BESS) offers a safe and reliable energy solution for your building, office or factory.

- Reduces utility costs by enabling peak shaving, integrating all energy sources for a local microgrid and providing dependable backup power.
- Utilizes safe, sustainable and domestically made advanced lead technology that balances performance, durability, safety, and cost effectiveness.
- Is nonflammable and can be deployed in locations where lithium is not an option.
- Provides a simple end-of-life solution due to the high recyclability and existing circular economy supporting domestic lead content.



SAFE TO DEPLOY ANYWHERE

RECYCLABLE END OF LIFE

MAINTENANCE FREE

ASSEMBLED IN THE USA

FEATURES AND BENEFITS

Cycling for Utility Bill Cost Savings

Time-of-Use Tariffs & Load Shifting: Use battery storage to discharge power during peak periods, lowering peak demand charges. Charge the battery during low-cost off-peak hours and discharge during expensive peak hours to decrease electricity costs.

Providing Energy Resilience

- **Reliable Backup Power:** Safeguard against power outages with the BESS100 acting as a dependable backup power source. Ensure continuous operation of critical infrastructure.
- **Renewable Firming:** The BESS100 ensures consistent output, which can smooth output from renewable sources like solar and wind.
- **Grid Resilience:** The BESS100 acts as a crucial grid support tool, providing rapid response capabilities to mitigate fluctuations, stabilize voltage and enhance overall grid resilience.
- **Microgrids:** Combine with solar, wind, and generators for reliable 24/7 power.

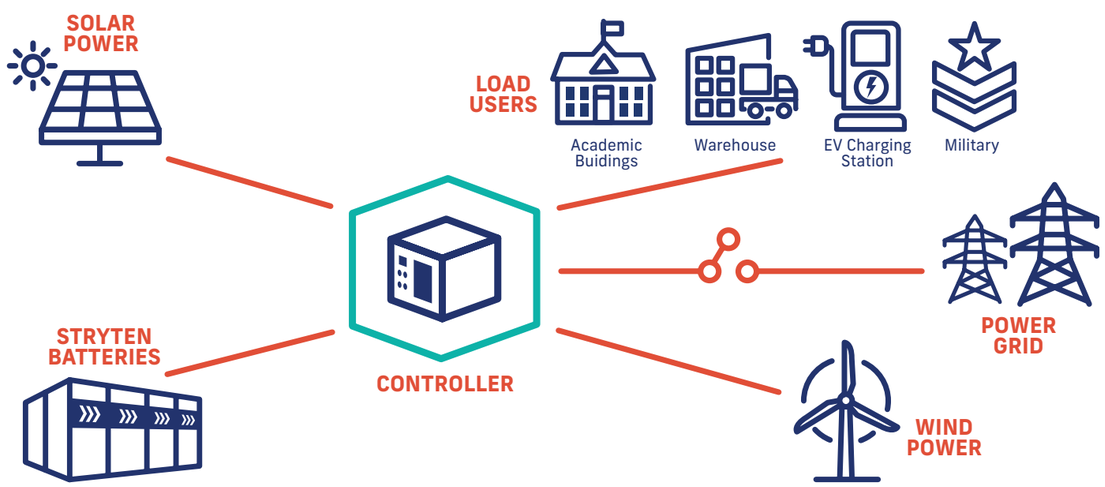
Stryten Advantage

- **Smart Monitoring and Control:** Monitor battery health and performance from anywhere in the world to manage system.
- **Stryten Brand:** Trusted North American energy supplier with energy storage expertise.
- **U.S.-based Customer Support:** Get help when you need it.

BEHIND THE METER APPLICATIONS

- Fast back-up power
- Commercial & Industrial (C&I)
- Offices, Warehouse & Factories
- Meet ESG Goals
- Community Centers
- EV Charging Stations
- Microgrids
- Renewable integration

ENERGY ECOSYSTEM



PRODUCT OFFERINGS

Advanced E-Series BESS100 is a turnkey solution designed to be modular and scalable to meet a wide variety of applications.

CYCLING
Models optimized for 2 hour durations, daily use and deeper cycles.

MODEL	POWER kW	ENERGY kWh	DURATION
BESS100-1C	40	100	1-2 hour duration
BESS100-2C	125	300	
BESS100-3C	250	500	
BESS100-4C	500	500	
BESS100-5C	500	1000	

RESILIENCE
Models optimized for up to 72 hour durations, fast response and long life.

MODEL	POWER kW	ENERGY kWh	DURATION
BESS100-6R	80	300	4 hours
BESS100-7R	80	500	6 hours
BESS100-8R	80	1000	12 hours



ENERGY CABINET
Approx. 100kWh per Cabinet 6 ft x 8 ft x 8 ft
Inverter, Control Box and Energy Cabinets are modular, with the capability to connect in parallel for scalability.

BESS SPECIFICATIONS

Comprehensive system featuring inverter, battery modules, cooling, and safety elements.

- Battery Management System for monitoring voltage, temperature, and impedance.
- Outputs 480V AC, 3 Phase & optional 208V AC.
- Expected lifespan of 10 years.
- Operating temperature range is -10° C to +40° C (+14° F to +104° F).
- Outdoor-rated enclosure with NEMA3R Certification for various conditions.
- Safety features include thermal management and hydrogen detection.
- Modules comply with UL 1973 standards.
- BESS is designed to meet UL9540.

E-SERIES | BESS100 | BATTERY ENERGY STORAGE SYSTEM

The Energy to Challenge

Stryten Energy helps solve the world's most pressing energy challenges with a broad range of energy storage solutions and components across the Essential Power, Motive Power, Transportation, Military and Government sectors. Headquartered in Alpharetta, Georgia, we partner with some of the world's most recognized companies to meet the growing demand for reliable and sustainable energy storage capacity. Stryten powers everything from submarines to subcompacts, microgrids, warehouses, distribution centers, cars, trains and trucks. Our stored energy technologies include advanced lead, lithium and vanadium redox flow batteries, intelligent chargers and energy performance management software that keep people on the move and supply chains running.

Learn more at ***www.stryten.com***

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