



AutoBox

American-Made Energy Storage,
Built for Reliability

FEOC and BABA Compliant



Major Metrics



211 kWh
modular blocks



Up to 55 kW
integrated inverters



120/240V Split-Phase,
208V & 480V 3-Phase

Designed for Compliance and Performance



Utility and municipal energy
storage projects



Commercial and industrial
resilience solutions



Critical infrastructure backup
and load management



Standard Features

Domestic Content, Utility-Grade Performance

- ≥55% U.S. cost content; **engineered and assembled in Grass Valley, California**
- All-in-one outdoor NEMA3R / IP54 enclosure with HVAC
- Modular 211 kWh blocks for scalable capacity
- High-efficiency design (≥94% DC, ≥96.5% AC)
- Supports all common U.S. voltage configurations

Available Adders

- Cold-Weather Package:** Operate in arctic conditions
- PV-Container Package:** Preassembled and integrated container-mounted PV
- Seismic Package:** Engineered anchoring system with stamped structural calculations
- Custom Control Integration:** Seamless integration or retrofit with preferred EMS
- O&M Options:** Remote diagnostics, performance monitoring, and preventive maintenance services.

ABX-XX/211-FEOC

Model Number	24/211	48/211	35/211	40/211	55/211
Battery Chemistry	Lithium Iron Phosphate (LFP)				
Rated Capacity	196 Ah				
Rated Energy	110 kWh				
Max Charge/Discharge Power	55 kW				
DC Voltage Range	492-634 VDC				
Depth of Discharge	95%				
Nominal Voltage (VAC)	120/240		208	480	208 or 480
Phase	Split-Phase		3-Phase		
AC Connection	3W (2P+N)		3W (3P) or 4W (3P+N)		
Max AC Power	24 kW	48 kW	35 kW	40 kW	55 kW
Enclosure Type	Skid-Mount				
Degree of Protection	NEMA 3R/IP54				
Approx. Dimensions (HxWxD)	96" (2440 mm) x 36" (915 mm) x 52" (1320 mm)				
Approx. Weight	3500 lbs (1600 kg)				
Ambient Operating Temperature	-22 to 131 °F (-30 to 55 °C)				
Ambient Operating Humidity	5 to 95% (non-condensing)				
Max Working Altitude	≤10000' (3000 m)				

Controls & Communications

Protocols:

- Modbus TCP/IP
- Modbus RTU (RS-485)

Modes:

- Grid-Following (P/Q Control)
- Grid-Forming (V/f Droop)
- Black Start Capability
- Seamless Island/Grid Transfer
- Active Power Dispatch
- Reactive Power/Power Factor Control
- Voltage Regulation
- Ramp Rate Management

Safety & Compliance

Standards & Certificates:

- UL 9540 (PENDING)
- UL 1973
- UL 1741 SB
- IEEE 1547-2018
- NFPA 855 Compliant

Safety Features:

- Integrated E-Stop, LOTO, disconnects, OCPD, ground fault detection, surge protection, and thermal monitoring

Warranty & Lifespan

- **Standard:** 3-year warranty
- **Optional Extended:** 10+ year warranty

Expected Lifespan:

- ≥80% retained capacity at 8,000 cycles
- ≥60% retained capacity at 15,000 cycles
- 15 - 20 year calendar life

