



Technology Overview



About BoxPower

BoxPower streamlines microgrid deployment at scale with a modular, software-driven hardware platform and turnkey services. BoxPower's prefabricated systems simplify design, construction, and operation, delivering resilient, cost-effective clean energy faster and with less complexity.

FOR MORE INFORMATION. CONTACT US



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BX Microgrid Platform

The BX Microgrid Platform is BoxPower's standardized, modular, and software-integrated energy system architecture. It supports a wide range of applications and is engineered for repeatable deployment in remote, resilient, and grid-constrained environments.

Power Range: <20 kW to 20 MW+

Storage Range: <50 kWh to 40 MWh+

System Types:

- PV + BESS + Generator hybrid
- Generator + BESS
- PV + BESS
- BESS-only (AC-coupled)

Control Tiers:

- Commercial (C&I)
- Utility-grade

Environmental / Compliance Options:

- Cold weather, containerized, UL 9540, FEOC Compliant, BABA compliant

Deployment Applications:

- Mobile and temporary power
- Off-grid electrification
- Tribal and rural infrastructure
- Wildfire mitigation / PSPS
- Critical facility resilience
- C&I backup and load support
- Utility bridging solutions
- VPP / DER hosting



BoxPower's product line includes three distinct hardware platforms, each mapped to a specific power class and application tier. These platforms are designed to ensure there are no gaps in coverage between system sizes.

Each platform is available in various configurations depending on environmental and compliance needs. AutoBox overlaps with both MiniBox and MegaBox to ensure flexible design without performance gaps.

Scalable Energy Solutions

MiniBox (MNBX)

Small Systems

Power: 12-30 kW

Storage: <50 kWh

Voltage: 120V / 240V split-phase

Use Cases: Remote sites, cabins, mobile/off-grid units

Notes: Palletized, plug-and-play, optional propane/diesel backup

AutoBox (ABX)

Medium Systems

Power: 24 kW – 1 MW (scalable)

Storage: 211 kWh – 2 MWh

Voltage: 208 - 480V 3-Phase, 120/240V split-phase

Use Cases: General-purpose C&I, grid-tied and off-grid microgrids, utility application

Notes: Modular blocks utility grade and extreme environmental packages available, AC and DC coupling, multiple enclosure sizes

MegaBox (MGBX)

Large Systems

Power: 500 kW – 3 MW (scalable)

Storage: 1.5 MWh – 6 MWh

Voltage: 480 - 800V 3-Phase

Use Cases: Utility-scale energy storage, large C&I resiliency

Notes: Utility grade, designed for large-scale deployments.

A Platform Built for Any Environment

Scenario	MiniBox	AutoBox	MegaBox
Off-Grid/Islandable	✓	✓	✓
Community and/or Tribal Microgrid		✓	✓
Utility Infrastructure Support and/or Upgrade Deferment		✓	✓
Utility Scale Storage and/or Generation		✓	✓
Backup Power Resiliency	✓	✓	✓
Fully Mobile Deployment	✓		

This table is intended as a high-level guide. Final system selection should be based on load profile, site conditions, and project requirements.

