



Modular Microgrid Solutions

The BoxPower MiniBox is a pre-engineered solar power station, prefabricated inside a 4' x 8' palletized enclosure. The MiniBox intelligent inverter system enables it to seamlessly switch between islanded and grid-connected operation, allowing it to function either as an off-grid system or a grid-tied battery backup.

The structural, electrical, and solar components are delivered inside the palletized enclosure and require less than a day to assemble.

MiniBox

Clean, Reliable, Affordable
Energy Anywhere

MiniBox Specifications

	Minimum	Maximum
Solar Array (PV)	3.5 kW	3.5 kW
Batteries (Lithium Ferro Phosphate)	7.6 kWh	30.4 kWh
Total Inverter Capacity	6 kW	18 kW
Output Voltage	120/240 V	120/208 V
Output Power	Single phase	Three phase

✓ Footprint with solar installed: 9.8' x 20'

✓ Installation manual included

✓ Entire system weighs less than 2,000 lbs

✓ Suitable for installation on any level surface

Scalable & Cost-Effective

The MiniBox is optimized for small off-grid or grid-tied applications as a cost-effective alternative to traditional generators. Its modular, rapidly deployable design makes the MiniBox more economically feasible than conventional ground- or roof-mounted solar systems. Multiple MiniBox containers can be linked together to accommodate higher loads.



MiniBox System Features

Standard Features

Plug and Play	Pre-wired inverter and batteries allow for less than a day of setup time
Permit Ready	Fully compliant and up to code for easy permitting
Safe	Electrical fault and overcurrent protection
Battery Backup	Battery backup system is used to provide power when PV is not being generated and to enable peak shaving
Intelligent Bi-Directional Inverters	Best-in-class intelligent inverters increase efficiency, extend battery life, and provide global monitoring access
Rugged Powder-Coated Container	Compact, powder-coated steel enclosure provides a strong, weatherproof environment for the inverters and batteries
Easy Racking System	Allows solar array to be installed, uninstalled, and moved in under two hours
Monitoring	Diagnose issues and observe system functioning at all times
10-Year Warranty	Equipment manufacturer warranty for all components

Optional Features

Diesel or Propane Generator	Provides added reliability with automated start, fault protection, and cycle charging functionality
Trailer Add-On	Allows you to make your MiniBox into a towable trailer to allow for easy transit
Auxiliary Ground-Mounted Array	Supplies additional PV generation to eliminate the need for a backup generator