



## Modular Microgrids

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

	MiniBox 1	MiniBox 2	MiniBox 3
<b>Solar Array (PV)</b>	3.5 kW	3.5 kW	3.5 kW
<b>Batteries (Lithium Ferro Phosphate)</b>	7.6 kWh	15.2 kWh	22.8 kWh
<b>Total Inverter Capacity</b>	6 kW	12 kW	18 kW
<b>Output Voltage</b>	120/240 V	120/240 V	120/208 V
<b>Output Power</b>	Single phase	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 Packed

## MiniBox System Features

### Standard Features

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

### Optional Features

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