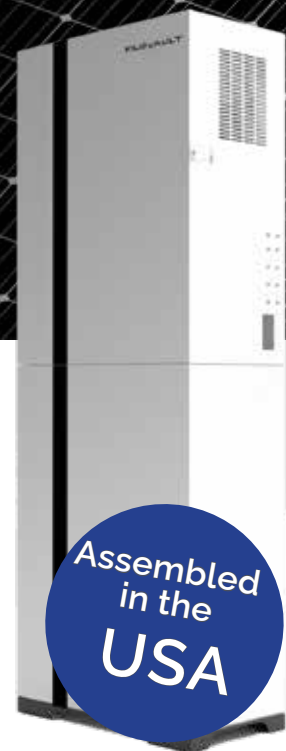




# KiloVault® Uniti EcoFreedom 5

AC Battery Energy Storage System



## Fully pre-wired and pre-programmed energy storage solution.

The KiloVault Uniti EcoFreedom is an advanced power solution that utilizes either lithium or pure lead carbon batteries to provide reliable and efficient energy storage. With its built-in inverter, this system allows for seamless power conversion, ensuring a smooth and uninterrupted flow of electricity.

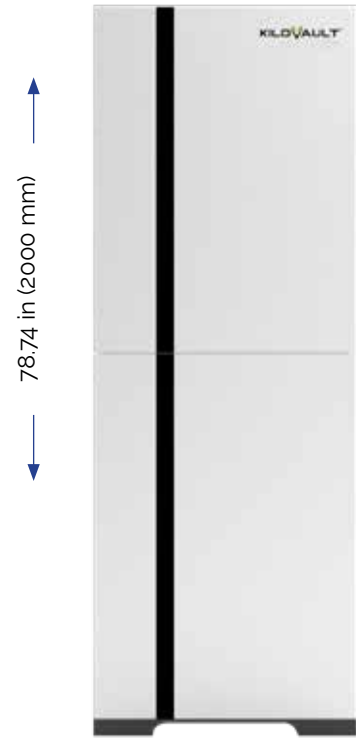
The EcoFreedom offers hassle-free maintenance, eliminating the need for frequent battery replacements or complicated upkeep. It is specifically designed to work seamlessly with solar panels, making it an ideal choice for renewable energy applications. It has the capability to efficiently store and discharge energy, making it a reliable choice for backup power needs.

Uniti EcoFreedom 5	
<b>Physical Specifications</b>	
Dimensions	78.74 in (2000 mm) X 28.34 in (720 mm) X 15.75 in (400 mm)
Weight	500 lb Gross
Enclosure Rating	IP20
Operating Temperature	Charging: 32°F - 113°F (0°C - 45°C) Discharging: 5°F - 131°F (-15°C - 55°C)
Mounting	Free-Standing or Pad Mounted
Warranty	Inverter: 1 year; Battery: 7.5 year; Cabinet: 10 year
Certifications	Inverter: UL1741 Battery Module: UL1973, UL1642
Rated Energy	10.2 kWh
Usable Energy	9.6 kWh
Rated Output Power	5kW

### Electrical Specifications

SPECS	ITEM
<b>Inverter</b>	
Application	Off-Grid
Max Rated Power	5000W Continuous
Surge Power	7000W
Power Factor	1
Input/Output Frequency	60Hz
Input Voltage Range	90-140VAC +- 2% Adjustable
Output Voltage	120Vac +- 5%
Output Waveform	Pure Sine Wave
Peak Efficiency	>95%
Max AC Charging current	40A
Internal Bypass Current	63A
Conversion (Bypass and Invert)	10mS
<b>PV Input</b>	
Algorithm	MPPT
Max PV input power	5000W
MPPT Voltage Range	120-450V
Max PV Charging Current	20A
<b>Battery</b>	
HLX+1200	(8) 1200 HLX+
Battery Chemistry	LiFePO4 (LFP Lithium Ion)
Nominal capacity	12.8Vdc - 100Ah (One Battery)
Peak Discharge (3S)	350A (One Battery)
Max Discharge Current (Continuous)	100A (One Battery)
Maximum Charge Current	80A (One Battery)
Battery Weight (each)	25.8 lbs
Cycle Life	5000 (80% DoD)

← 28.34 in A (720 mm) →



15.75 in (400 mm)

