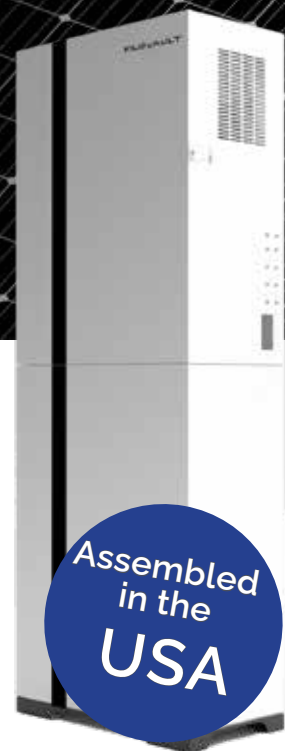




# KiloVault® Uniti EcoFreedom Lite

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 Lite	
<b>Physical Specifications</b>	
Dimensions	78.74 in (2000 mm) X 28.34 in (720 mm) X 15.75 in (400 mm)
Weight	803 lb (364kg) 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: 5 year; Cabinet: 10 year
Certifications	Battery: UL1989
Rated Energy	8.64 kWh
Usable Energy	4.32 kWh
Rated Output Power	5kW

# KiloVault® Uniti EcoFreedom Lite

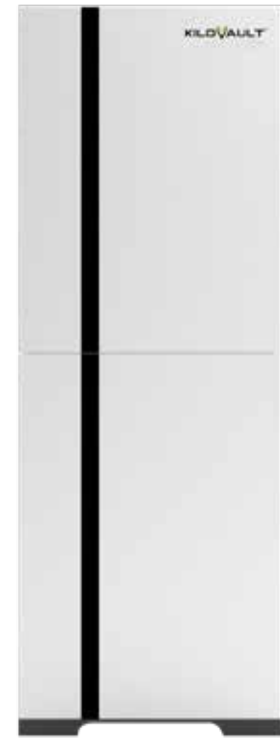
## AC Battery Energy Storage System

### 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	(4) PLC2100
Battery Chemistry	Pure Lead Carbon
Nominal capacity	12Vdc - 180Ah (Each Battery)
Peak Discharge (5S)	500A (Each Battery)
Max Discharge Current	500A (5s)
Maximum Charge Current	140A
Battery Weight (each)	127 lbs
Cycle Life	3000 (50% DoD)

← 28.34 in A (720 mm) →

↑ 78.74 in (2000 mm) ↓



← 15.75 in (400 mm) →



# KILOVAULT