

AC6000 UPS

More power. Longer life. Smaller size.

With lithium-ion technology, the days of changing and disposing of old, heavy lead-acid batteries are over. Automotive-grade lithium-ion batteries deliver better efficiency, higher energy density and longer battery life in a much smaller footprint within the data cabinet.

The AC6000 is the first line-interactive UPS designed to both protect IT equipment from power outages and to supplement the AC grid during peak energy consumption. The UPS operates with an input and output of 208 V, 230 V or 240 V AC, supporting equipment drawing up to 6kW. The AC6000's power-dense 2U form factor also contains highly efficient power electronics with a state-of-the-art lithium-ion battery pack and management system. We believe it's the last UPS you'll ever need and the AC6000 is made in the USA and TAA compliant.

PRODUCT FEATURES

6kW of Lithium-ion Power

- 6 minute run time at full load
- 330% increased life over lead acid

Fast Recharge

- 1 hour recharge to 90%

Maintenance Free/Service Free

- Up to 7 years of battery life
- 2U of rack space
- 50% - 75% lighter than lead acid

Advanced Battery Management

- Full state of health and charge
- Controls, protects and informs
- Thermal management of cells



Figure 1 - Enconnex AC6000 UPS

Larger Operating Temperature

- Deliver full power and run-time, even at 40C

Peak Shave Capability

- Supplements the grid with available Lithium-ion power

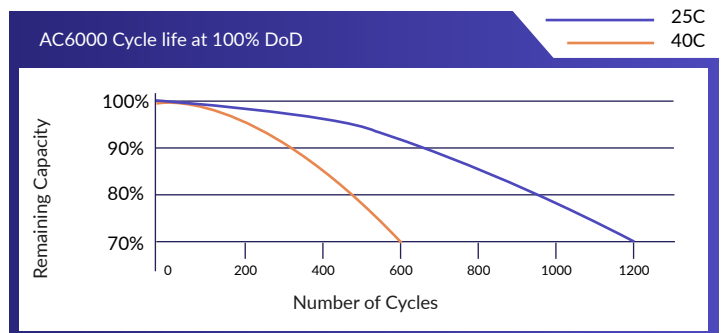
Smart Communication

- Supports Serial & SNMP
- Remote HTTP dashboard
- Supports IPv4 and IPv6
- Multifunction LCD panel
- Reports critical performance metrics

Cost of Ownership

- No battery replacement necessary
- ROI in as little as 2 years
- Operational savings using “peak shave” feature

A BATTERY FOR LIFE



Front



LCD Panel with raised buttons

Back Output Input Ethernet



REPO Breaker

RS232

SPECIFICATIONS

INPUT SPECIFICATIONS

Voltage	Single Phase 208/240 VAC (selectable)
International Voltage	230VAC (selectable)
Frequency	45 -65Hz auto sensing
Capacity	6000 W
AC Input Breaker Rating	50A
Power Factor	> 0.97
Input Connection (select one)	L6-30P, CS8264/5, IEC 60309 332C/P6, or Hardwire

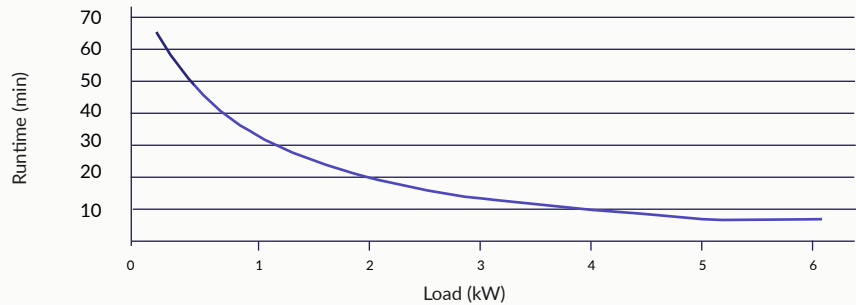
OUTPUT

Voltage	Single Phase 208/240 VAC (selectable)
International Voltage	230 VAC (selectable)
Frequency	50/60Hz (selectable)
Topology	Line Interactive
Static Transfer Speed	<10ms
Efficiency	>93%
Rated Current @ 208V	24A with L6-30; 37A with CS8264/5 or hardwire
Overload Capacity	110% for 1 minute
Crest factor	2.1:1 (6kW)
THD in UPS mode Voltage	1.9% Voltage
Voltage Regulation -bypass mode	Maintains voltage range of +/-10%
Step Down Transformer Compatibility	AC6000 is compatible with step down transformers

BATTERY

Battery Type	Lithium-ion 1.0 kW-h
Recharge Time	60 minutes to 90% 120 minutes to 100%
Expected Cycle Life	2000+ cycles (charge - discharge)
Backup Time	6 minutes Full Load (6000W) 12 minutes Half Load (3000W)
Battery Protection	Discharge, Overcharge, Thermal

AC6000 Cycle life at 100% DoD



SURGE PROTECTION

Surge Energy Rating	215 Joules, Filtering - 1kV Diff; 2kV Comm. Per IEC 61000-4-5 Class A; meets FCC Part 15 Class A
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COMM & MANAGEMENT

Interface Ports	RS232, Ethernet and REPO Contact Closure
SNMP V2.0, V3.0	Yes - full function status & control
Internet Dashboard	Yes - full function status & control
Control Panel	Multi function LCD status and conditions
Audible Alarm	Audible alarms based on condition
Flash firmware updates	Yes - register upon delivery
Emergency Power Off (EPO)	Yes - N.O. / N.C.
Automated Orderly Shut Down	Server side application feature

PHYSICAL

Dimensions	3.5 (2U) H x 19.0 W x 32.0 D in 8.89 H x 48.26 W x 81.28 D cm
Weight	85 lbs. (shipping weight 105 lbs.)
Color	Black Face, Silver Body
Enclosure	Zinc plated steel, complies with NEMA 1 and UL Type-1

ENVIRONMENTAL

Operating Temperature Range	0° C to 40° C (32° to 104° F)
Storage Temperature Range	-20° C to 60° C (-4° to 140° F)
Humidity	0% to 95% Non-Condensing
Heat Generation (BTU/Hr.)	1307
Cooling	Temperature monitored fans - rear exhaust

CERTIFICATIONS

Regulatory Approvals	UL 1778, UL 991, UL 1998 EN 55032 CISPR 32 FCC Part 15 - Class A IEC 60555.2 IEC 61000-2-2 IEC 61000-3-2, -3 IEC 61000-4-2, -3, -4, -5, -6, -8 EN 62040-1, -2, -3 EU Directive 2014/30/EU UN-DOT 38.3 IEC 62619 IEC 62133-2
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Standard Warranty	3 years repair or replacement including battery
Optional Warranty	2 years extension including battery (5 years total)

Part Number Selection Guide

ECX-UPS-AC6000-0
AC6000 w/NEMA L6-30 R/P Plug Set

ECX-UPS-AC6000-1
AC6000 w/IEC 60309 332C/P6 Plug Set

ECX-UPS-AC6000-2
AC6000 w/CS8264/5 50A Plug Set

