

Product Specifications

	CADEX UCC 1	CADEX UCC 2 MOBILE	CADEX UCC 6
ELECTRICAL	Choice of 15W or 60W external AC power supply 90-250 V AC (47-63 Hz)	12VDC nominal input (10.5 – 15VDC). 7 amps max. Optional 60W external AC power supply. 90-250 V AC (47-63 Hz)	Internal 100 Watt power supply 90-250 V AC (47-63 Hz)
SAFETY STANDARDS	Meets CSA 22.2 No. 950-95 requirements. Meets UL 1950 (third edition) requirements. Meets EN60950:2000 international safety standards		
ENVIRONMENTAL	Operating temperature (+0 to 40°C) Storage temperature (-40 to +85°C)	Operating temperature (+0 to 40°C) Storage temperature (-40 to +85°C) Compliant to MIL-STD 810D-E for shock and vibration	Operating temperature (+0 to 40°C) Storage temperature (-40 to +85°C)
PHYSICAL	Length 9.5" (242 mm) Width 4.0" (102 mm) Height 2.5" (64 mm) Weight 1.0 lb (0.4 kg)	Length 9.5" (242 mm) Width 6.5" (165 mm) Height 2.5" (64 mm) Weight 1.5 lbs (0.7 kg)	Length 9.5" (242 mm) Width 17.5" (445 mm) Height 3.5" (89 mm) Weight 7.0 lbs (3.25 kg)
MOUNTING	Optional vehicle mounting bracket available allows secure horizontal or vertical mounting		
ADAPTERS	Order Intelligent Adapters for your specifications. Custom models available on request.		

About Cadex



Cadex products are built with one goal in mind — to make batteries run longer. Batteries have become a lifeline in our society and its dependence is growing daily. Cadex has realized the importance of battery care and is offering equipment to test, verify, restore and charge these batteries.

Cadex Electronics designs and manufactures batteries, chargers and analyzers. These award-winning products are used in wireless communications, emergency services, mobile computing, avionics, biomedical, broadcasting and defense. Cadex products, both commercial and custom, are sold in over 100 countries.

Cadex combines engineering strength with twenty years of manufacturing excellence. Committed to quality solutions, Cadex covers all aspects of battery power systems from circuit design to mechanical interface and testing. Products are developed quickly, on budget and free of problems. Cadex is ISO 9001 certified, and all systems are made to the highest engineering and manufacturing standards.

Cadex Electronics Inc., 22000 Fraserwood Way, Richmond, BC Canada V6W 1J6
Tel: +1 604 231-7777 Fax: +1 604 231-7755 info@cadex.com www.cadex.com



CADEX

Universal Conditioning Chargers



CADEX UCC 6



CADEX UCC 1

CADEX UCC 2 MOBILE

**Rugged
reliable chargers
from the battery experts**

OPTIMIZE BATTERY LIFE

GUARANTEED DEPENDABLE

SERVICES MAJOR BATTERY CHEMISTRIES



OPTIMIZE BATTERY LIFE

— Cadex Reverse-Load Pulse Charge decreases battery charge time, prolongs battery life and improves battery performance. Have the power you need when you need it most - in an instant, at your fingertips, ready to go.

GUARANTEED DEPENDABLE

— Our award winning products deliver reliable solutions for battery power and maintenance. All Cadex systems are built to the highest manufacturing standards. When it comes to battery expertise, you can count on our 20 year experience. For complete customer confidence, Cadex is ISO 9001 certified. For dependable battery maintenance, you need to own a Cadex!

SERVICE MAJOR BATTERY CHEMISTRIES

— Strong, hard wearing Cadex units are designed on a Universal platform to service Lithium Ion/Polymer, Nickel Cadmium and Nickel Metal Hydride batteries. Whether it's in the office, or mounted in a mobile unit, Cadex Universal Chargers offer dependable energy in any environment.



CADEX UCC 1



CADEX UCC 2 MOBILE



CADEX UCC 6

Good to Know

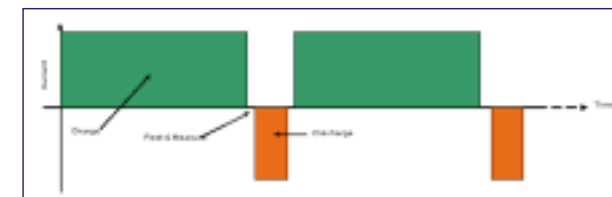
Mobile Conditioning Charging

The 2-bay Cadex UCC Mobile unit is designed for in-vehicle mounting. All of the quality Cadex features are now available at your fingertips so that you can have assured battery power wherever you happen to be. Rugged vibration resistant plastics keep your charger firmly in place, no matter how rough the ride.



Reverse-Load Pulse Charging

Pulse charge technology intersperses brief discharge pulses between each charge pulse. This method promotes the recombination of oxygen and hydrogen gases, resulting in reduced pressure buildup and a lower cell temperature. Pulse chargers also reduce memory, the crystalline formation in nickel-based batteries, improving battery performance.

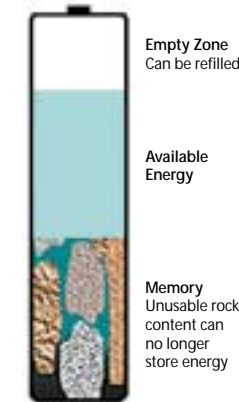


Independent Charging for Different Battery Models

Cadex "Intelligent" adapters configure the charger to the specific C-code of any battery type. They can also be factory programmed for your specific battery models. These unique adapters allow the Chargers to service different batteries types simultaneously. That means independent charging for up to six different battery models!

Memory - and How to Lose It!

Many factors can cause battery degeneration. We use the word memory to address capacity loss on nickel-based batteries. The active cadmium material of a NiCd battery is present in finely divided crystals. In a good cell, these



crystals remain small, retaining maximum surface area. When the memory phenomenon occurs, crystals grow and drastically reduce their surface area. The result is a decrease in voltage, and elevated impedance, which leads to a loss of capacity. In advanced stages, the sharp edges of the crystals may grow through the separator, causing high self-discharge or an electrical short. Memory is a reversible phenomenon.

Easy-to-Use Conditioning Feature

One-button Conditioning Feature initiates the repetitive application of charge/discharge cycles between the normal maximum cut off and the end of discharge point.

A Reliable Charger

Cadex is committed to providing affordable, reliable quality-controlled products that meet stringent performance and safety standards. The universal design allows each charge station to operate independent of the other bays. All bays can be configured to support any combination of batteries, including Lithium Ion. Cadex is ISO 9001 Certified.

Safety and Standards

Cadex chargers are engineered to prevent battery overheating by using chemistry dependent charge termination. When fully charged, the maintenance mode ensures that the battery can be safely left in the charger for an extended period of time. Cadex chargers also stop the charge cycle to defective batteries. Cadex Universal Conditioning Chargers are tested for compliance to the following standards: UL; FCC ; and CSA requirements and are compliant to MIL-STD 810D-E for shock and vibration (mobile unit). They carry the CE marking.