



Battery Test & Maintenance Solutions, Chargers

2026 - 2027

American Communication Systems

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<http://www.ameradio.com>



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Universal Supervisor Charger (USC)

The **Universal Supervisor Charger (USC)** is an advanced diagnostic charging platform, designed primarily for indoor, depot use. It features proprietary analysis technology, allowing for comprehensive charging and diagnostic capabilities. The USC supports a broad range of batteries through custom adapters, including Smart batteries (SM-Bus and DQ) and common battery chemistries including Li-Ion, NiCd, and NiMH.



Cadex USC1
25/50W



Cadex USC2
25/50W



Cadex USC6
25/50W

Universal Supervisor Chargers (USC)

Product Name	Part Number	Bay Configuration	
Cadex USC1 (1 Bay) <i>(Adapter not included)</i>	11-701-0000-00	AC Only	25W/Bay
	11-701-0100-00	AC/DC	25W/Bay
	11-701-1000-00	AC/DC	50W/Bay
Cadex USC2 (2-Bay) <i>(Adapter not included)</i>	11-702-0000-00	AC/DC	25W/Bay
	11-702-1000-00	AC/DC	50W/Bay
Cadex USC6 (6-Bay) <i>(Adapter not included)</i>	11-706-0010-00	AC/DC	25W/Bay (Wi-Fi Enabled)
	11-706-0100-00	AC/DC	50W/Bay (Non-Wi-Fi)
	11-706-1000-00	AC/DC	50W/Bay (Wi-Fi Enabled)

USC Adapters

[Contact Cadex for available adapters and custom designs.](https://www.cadex.com/battery-adapters)
<https://www.cadex.com/battery-adapters>

Connectivity

CadexCloud subscriptions are available.
Please contact Cadex for more information.



Battery Maintenance Systems

Battery Maintenance Systems featuring the C7x00 C-Series family of analyzers allow users to test, track, label, and maintain fleets of batteries to ensure their equipment is always ready to go and save money on unnecessary battery replacements



Battery Maintenance Systems – Value Bundles

Product Bundle	Components	Order Code
4-Bay	Cadex C7400 C-Series Battery Analyzer 4 Battery Adapters Cadex BatteryShop™ 1 (Digital Download)	BBM4
4-Bay Extended Range	Cadex C7400ER C-Series Battery Analyzer 4 Battery Adapters Cadex BatteryShop™ 1 (Digital Download)	BBM4ER

Battery Maintenance Systems – All-in-One Advanced Bundles

Product Bundle	Components	Order Code
4-Bay	Cadex C7400 C-Series Battery Analyzer 4 Battery Adapters Cadex BatteryShop™ 1 (Digital Download) DYMO Label Printer USB Barcode Reader DYMO Battery Labels 2-Year Extended Warranty (Total = 4 years)	AVBM4
4-Bay Extended Range	Cadex C7400ER C-Series Battery Analyzer 4 Battery Adapters Cadex BatteryShop™ 1 (Digital Download) DYMO Label Printer USB Barcode Reader DYMO Battery Labels 2-Year Extended Warranty (Total = 4 years)	AVBM4ER

Battery Maintenance Systems (Cont.)

At the heart of a Battery Maintenance System are the analyzers and operational software that allow users to perform all of the basic tasks required to test and maintain battery fleets.



Analizers

Product Name	Part Number
Cadex C7400 C-Series Battery Analyzer <i>Serves 4 batteries simultaneously; programmable up to 15V, 25Ah</i>	07-740-0100
Cadex C7400ER C-Series Battery Analyzer <i>High power version, serves 4 batteries simultaneously; programmable up to 25Ah, 36V Li/SLA, 28.8V NiCad/NiMH, 6 Amps charge</i>	07-740-1100

See also: [C7x00 C-Series Specifications\(Datasheet\)](#)

Software BatteryShop™(Digital Download)

Cadex BatteryShop™ software provides a simple yet powerful PC interface to control and monitor Cadex C7x00 C-Series battery analyzers.

BatteryShop™ Minimum Requirements

Operating System: 32-bit or 64-bit Windows XP, Windows 7, and Windows 10

Processor: 1.00 GHz | **Memory:** 512 MB | **Storage:** 500 MB



Product Name	Part Number
Cadex BatteryShop™ 1 <i>Includes license to connect up to 3 analyzers, BatteryShop™ (Digital Download), C7x00 C-Series firmware upgrade software, and one null modem cable and one USB cable</i>	92-770-0000-00
Cadex BatteryShop™ 4 <i>Includes license to connect up to 4 analyzers, one 7-port USB Hub, BatteryShop™ (Digital Download), C7x00 C-Series firmware upgrade software, and four 3m (9.8ft.) USB 2.0 Type-A to Type-B cables</i>	92-770-0002-00
Cadex BatteryShop™ 8 <i>Includes license to connect up to 8 analyzers, two 7-port USB Hubs, BatteryShop™ (Digital Download), C7x00 C-Series firmware upgrade software, and eight 3m (9.8ft.) USB 2.0 Type-A to Type-B cables</i>	92-770-0003-00
Cadex BatteryShop™ 16 <i>Includes license to connect up to 16 analyzers, three 7-port USB Hubs, BatteryShop™ (Digital Download), C7x00 C-Series firmware upgrade software, and sixteen 3m (9.8ft.) USB 2.0 Type-A to Type-B cables</i>	92-770-0004-00
Cadex BatteryShop™ 32 <i>Includes license to connect up to 32 analyzers, six 7-port USB Hubs, BatteryShop™ (Digital Download), C7x00 C-Series firmware upgrade software, and thirty two 3m (9.8ft.) USB 2.0 Type-A to Type-B cables</i>	92-770-0005-00

* **Larger Systems:** For connections over 32 analyzers, please contact Cadex.

BatteryShop™ Upgrades & Accessories

Product Name	Part Number
USB Type-A to Type-B Cable – Connects C7x00 C-Series analyzer USB port to PC, 3m (9.8ft.)	68-931-0008
Null Modem Cable – Connects C7x00 C-Series analyzer serial port to PC, 3m (9.8ft.)	68-931-0012-00
7-Port USB Hub – High performance USB 2.0 Hub with Daisy-Chain support	08-020-0000-00

Battery Maintenance Systems (Cont.)

Adapters are available in both universal and battery-specific configurations (Custom Adapters), while accessories complete the system.



FlexArm™ Adapter



RigidArm™ Adapter


Universal Alligator
Clips Adapter

XL-Universal Alligator
Clips Adapter

18650 / 21700
Adapter

Universal Adapters

Product Name	Part Number
FlexArm™ Adapter – Universal adapter with spring-loaded arms	07-110-0180
RigidArm™ Adapter – Universal adapter with rigid arms	07-110-0192
Universal Alligator Clips Adapter – 4-wire battery cables with alligator clips	07-110-0115
XL-Universal Alligator Clips Adapter – 4-wire extra-long 1.8m (6ft.) battery cables with small and large replaceable alligator clips	07-111-6810-00
18650 / 21700 Adapter – Custom adapter for 18650 & 21700 cylindrical cells	07-111-6410

Battery Adapter Catalog Price Codes

<https://www.cadex.com/en/adapters/all>

Analyzer & Adapter Accessories

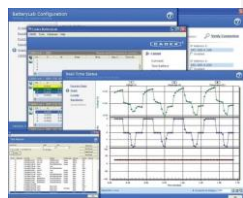
Product Name	Part Number
DYMO 550 LabelWriter Printer – Connects to PC USB port, includes USB cable, 100-240VAC (Compatible with BatteryShop V7.3 or later)	00-004-3095-00
DYMO Battery Labels – $\frac{3}{4}$ " x $2\frac{1}{2}$ " 500 labels/roll (Compatible with DYMO LW 450 & 550)	00-004-3101-00
Cadex Battery Labels – $1\frac{1}{2}$ " x $\frac{1}{2}$ " (2-up) 1,500 labels/roll (Compatible with DYMO LW 450 only)	00-004-3102-00
C7200 C-Series Carrying Case – Pelican Case Model 1500	87-725-0002
C7400 C-Series and C7400ER C-Series Carrying Case – Pelican Case Model 1520	87-725-0004
Voltage Calibration Kit – For on-site calibration – certified for 2 years <i>Traceable to US NIST or Canada NRC</i>	92-770-0212
USB Barcode Reader – Connects through PC USB port	92-770-0261
RigidArm Small Tips (Pack of 10) – 10 replacement tips for RigidArm adapter	92-470-0051
RigidArm Small Tips (Pack of 2) – 2 replacement tips for RigidArm adapter	92-470-0052

Upgrades & Services

Description	Part Number
Voltage Calibration Kit Recertification Fee Recertification needed every 2 years. Contact Cadex Technical Support for return authorization.	
C7x00 C-Series 2-Year Extended Warranty Extends C7x00-C Series original 2-year warranty to 4 years	99-100-0000
C7x00 C-Series Calibration Certificate ***** Must be ordered with the purchase of the C7x00 C-Series Analyzer. *****	
C7x00 C-Series Factory Calibration Service – Recommended Annually Shipping cost NOT included. Contact Cadex Technical Support for return authorization.	

C8000 Advanced Battery Testing System

The **Cadex C8000** is an advanced battery testing system capable of use in a variety of applications from battery selection and characterization to quality monitoring and battery servicing.



BatteryLab Software



Dual Port Power Cable



Cadex C8000 Adapter Unit



Cadex Load Capture Unit

Product Name

Part Number

Cadex C8000 including BatteryLab™ PC Software

4 Channel desktop or rack-mount battery test system with internal 400-Watt power supply, 100-240VAC. Includes Cadex C8000 base unit, and BatteryLab PC software on USB flash drive, 4 ea. 1.8m (6') power port cables, 4 ea. 1.8m (6') auxiliary data cables, one 3m (10 ft.) Ethernet cable, 1 ea. dual port power cable (DPPC), AC power cords. 1 ea. Quick Start Users Guide, User's Guide. RoHS compliant. Includes North America, Europe and UK AC cords.

11-308-0000

See also: [C8000 Specifications\(Datasheet\)](#)

Accessories

Product Name

Part Number

Cadex Load Capture Unit

11-308-0011

Cadex C8000 Adapter Unit

Desktop 2-Bay Adapter Unit connects to C8000 Power Ports by designated cables. Provides access to SnapLock™ Battery Adapter (4-wire only) systems shared with other Cadex systems.

07-510-0000

Replacement C8000 Auxiliary Data Cable

1.8m (6ft.) DB 25-based cable including 4 differential analog voltage inputs, 4-input/output control for switching, SMBus, clock, data for smart packs, 2 general-purpose analog input.

17-670-0059

Dual Port Power Cable

17-070-1008

Kit, C8000 Power Cable – 1.8m (6ft.) with 2mm & 4.4mm clips

92-470-0064-00

Kit, Alligator Clip – 1.8m (6ft.) with 2mm & 4.4mm jack

92-470-0065-00

C8000 Rack Mounting Kit

92-470-0054

C8000 Transport Case – Pelican Case Model 1630

87-725-0013

Upgrades & Services

Description

Part Number

C8000 2-Year Extended Warranty – Extends C8000 original 2-year warranty to 4 years.

99-100-0001

Cadex C8000 (11-308-0000) Factory Calibration Service

Shipping NOT included. Contact Cadex Technical Support for return authorization.

DIEHL C8000-D (11-308-0010) Factory Calibration Service

Shipping NOT included. Contact Cadex Technical Support for return authorization

C8000 LCU Verification Service

Shipping NOT included. Contact Cadex Technical Support for return authorization.