

## CV & CX

### *System controllers*



#### GENERAL DESCRIPTION

Powerful system controllers provide full network interconnectivity and alarm interfaces for the most demanding applications.

With a wide range of features for local and remote system monitoring, controllers can lower your overall network power management costs by putting the power of information at you fingertips.

#### FEATURES

##### Simplified management

System controllers are designed to simplify the management of a wide range of battery technologies from various manufacturers.

- Battery thermal compensation
- Equalize/Boost charge mode
- Battery discharge tests
- Battery recharge current limit
- Low voltage disconnect contactor and shunt

##### System alarms

System controllers also provide the following features for full system alarm and control.

- Six Form C configurable alarm contacts
- Preset configurations
- Auxiliary alarm inputs
- Redundancy alarm

#### THE DIFFERENCE

##### Multi-level security

System controllers can be equipped with multiple levels of password protection to assure that only authorized personnel can view and adjust operating parameters.

##### Advanced functionality

Automated battery testing, SNMP & HTTP communications, and event history all manage the health of you network.

##### Failsafe design

Systems are designed to continue operating normally in the event of controller loss or removal.

## SPECIFICATIONS

### CV system controller

Designed for use in the EPOS Compact-RU systems.

Provides advanced battery management, charge and discharge control, and standard alarm interface using a 10/100 Ethernet interface.

### CX system controller

Designed for use in the EPOS Compact-CS systems.

Cabinet mounted controller and display with optional LAN and Modem interfaces.

	CV system controller	CX system controller
Dimensions	mounts in EPOS Compact-RU	mounts in EPOS Compact-CS
Temperature range, storage	-40°C to +85°C	
Temperature range, operating	-40°C to +75°C	
Operating voltage	CV: 24 VDC and 48 VDC CV 60: 60 VDC	48 VDC
Telecom alarm closures	<ul style="list-style-type: none"> <li>• Up to six fully programmable system alarms</li> <li>• Alarm relays may be mapped to any system alarm event</li> </ul>	
Basic battery management features	<ul style="list-style-type: none"> <li>• Full thermal compensation for low and high temperature</li> <li>• Up to four external probes and one internal sensor</li> <li>• Missing probe detection with auto revert to internal sense</li> <li>• Battery thermal runaway protection</li> <li>• Configurable battery recharge current limit</li> </ul>	
Auxiliary input alarms	<ul style="list-style-type: none"> <li>• Each thermal probe may be programmed as an alarm input</li> <li>• Up to 5 alarm inputs depending on system configuration</li> </ul>	
Low voltage disconnect control	Control for up to four disconnect contactors for load or battery	
Standard features	CV system controller	CX system controller
16 character front panel display	•	•
Form-C fully configurable relay contacts	3	4
Thermal probe/auxiliary alarm inputs	•	•
Three configurable profiles	•	•
Adjustable system settings	•	•
Adjustable system alarm thresholds	•	•
Thermal compensation	•	•
Missing probe detection	•	•
Battery equalize/boost	•	•
Battery recharge and plant current limit	•	•
10/100 Ethernet with HTTP	•	•
SNMP, TELNET	•	•
Modem with VT100 interface	-	•
Battery discharge testing	•	•
Manual/Auto battery test	•	•
Periodic battery test	-	•
Battery event history	-	•
Battery trending graphical analysis	•	•
Alarm and parametric event history	-	•
Asset management	•	•

## PRODUCT SELECTION GUIDE

Description	Part no.	Fits in
CV 24/48 system controller	94E430A	EPOS Compact 24/48 -RU
CV 60 system controller	94F160A	EPOS Compact 60-CV4-RU
CX system controller	94E450A	EPOS Compact -CS