

# Cordex™ CXCM

System Controller



Your Power Solutions Partner

- Modular, hot swappable controller for use with 1kW rectifier platform
- Internet ready and remotely accessible for complete system monitoring and control
- Integrated SNMP functionality for cost effective multiple site monitoring
- Advanced battery monitoring and power save features for OPEX savings
- Highly configurable platform with user definable alarms and data logging

## **Cordex CXCM controllers bring advanced monitoring technology to the Cordex series of rectifiers.**

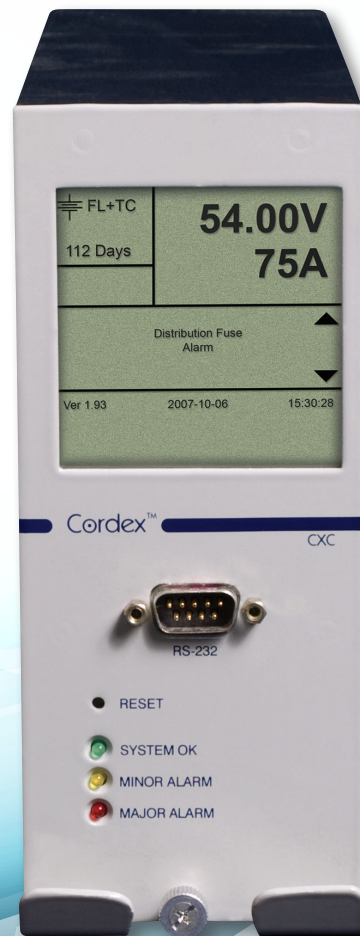
The compact CXCM system controller is an option for 1kW Cordex rectifier shelves and includes the complete standard range of Cordex software features.

The integrated CXCM controller includes a web server, providing easy set up via local or remote IP access using a standard Windows Internet Explorer browser. The CXCM also includes LED indicators and touch screen LCD for local monitor, control and configuration.

The integrated logging feature, typically only available with an advanced standalone data logging system, allows the capture of data from multiple inputs for AC/DC voltages, load/battery current, and cell voltage/temperature. Common applications of the CXCM logging include power system details, thermal performance of outdoor enclosures, battery cell specifics, or mains variations captured by an AC voltage watchdog.

The CXCM I/O feature set can be easily expanded with the addition of CXC Smart Peripherals such as battery cell monitoring, shunt multiplexing, and alarm relay expansion.

Cordex CXCM system controllers ensure effortless operation of the Cordex 1kW rectifier family. Time consuming, complicated set up and monitoring of DC power systems are now a thing of the past.



# Power



# Cordex CXCM System Controller

Part Number: 018-557-20

## FEATURES

### Display

- LCD touchscreen display (160 x 160 pixels)
- "OK / Major / Minor" 3-color, LED display
- Web based GUI via ethernet

### Rectifier Features

- Single point adjustment
- Auto load share
- Power save
- Power on delay start

### Battery Features

- Temperature compensation
- Manual, auto & periodic equalize
- Battery current terminate equalize
- Battery over temp equalize shutoff
- Dynamic charge current control
- Battery runtime & capacity indication
- Battery low capacity warning
- Auto or manual battery test mode

### System Features

- CAN Bus interface to Cordex rectifiers and Smart Peripheral modules
- Password protection
- Virtual rectifier, battery & shunt addition current
- User configurable alarms
- User configurable signals
- Languages for english, chinese & 3rd language option
- Downloadable software & firmware upgrades

### Communication

- Alarm relays:** ..... Potential free Form C contacts
- SNMP:** ..... SNMP v2.5 via ethernet.  
Requires SNMP management software  
(e.g., HP Open view, SNMPc)
- Email:** ..... SMTP via ethernet or modem

### Communication ports

- RJ45 ethernet port (rear port)
- RS232 craft port (front)
- CAN Interface to Cordex 1kW rectifier, DC/DC converters and smart peripherals

### Controller I/O

- Voltage inputs: ..... 1 + 1 internal
- Temperature inputs: ..... 2
- Current inputs: ..... 1
- Digital inputs: ..... 3 (2+1 internal on some models)
- Relay alarm: ..... 8
- Bi voltage inputs: ..... 1

### Log Files

- Daily statistics:** ..... Min., max. and average on analogue input channels with date and time stamp  
Battery current, rectifier current and AC mains voltage for last 90 days
- Event log:** ..... All events such as alarms, power on, change of state on digital inputs or other events
- Battery log:** ..... Battery health history on last 20 discharges with time of discharge and battery capacity.
- Data logging:** ..... Up to 16 user configurable logs of all system signals including Smart Peripherals

## ELECTRICAL

- Input voltage:** ..... 17 to 65Vdc
- Current:** ..... <100mA @ 48Vdc

## MECHANICAL

- Mounting:** ..... Modular controller for 1kW rectifier shelves
- Dimensions:**  
mm: ..... 177H x 74W x 255D  
inches: ..... 6.9H x 2.9W x 10D
- Weight:** ..... 1.8kg (3.9lbs)

## ENVIRONMENTAL

- Temperature:**  
Extended: ..... -40 to 65°C (-40 to 149°F)
- Humidity: ..... 0 to 95% RH non-condensing

## AGENCY COMPLIANCE

- Safety:** ..... CSA C22.2 No 60950-1-03  
CE marked
- EMC:** ..... ETSI 300 386
- Emissions:** ..... CFR47 (FCC) Part 15 Class B  
ICES-03 Class B  
EN55022 (CISPR 22) Class B  
C-Tick (Australia)
- Immunity:** ..... EN 61000-4-2  
EN 61000-4-3  
EN 61000-4-4  
EN 61000-4-5  
EN 61000-4-6

Alpha Technologies Ltd.

For more information visit [www.alpha.ca](http://www.alpha.ca)

Canada: Burnaby, British Columbia T: 604.436.5900 F: 604.436.1233  
 United States: Bellingham, Washington T: 360.647.2360 F: 360.671.4936

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