

# Power

## Cordex™ CXCI

Integrated System Controller



CXCI

- Control and monitor via Internet Explorer browser
- Integrated SNMP
- High reliability CAN bus communication
- User definable alarms and data logging
- Flexible battery management features
- Smart peripheral monitoring features

The Cordex CXCI controller brings advanced monitoring technology to the Cordex series of rectifiers. This compact system controller is designed for seamless operation and set up of Argus power systems and is equipped with the complete range of Cordex software features.

The integral CXCI controller includes a web server, providing easy set up of remote monitoring using the standard Windows Internet Explorer browser and an internet connection. The CXCI log provides detailed site problem and performance analysis, which can be viewed either locally or remotely via the web interface.

Optional smart peripheral modules support devices for 2 or 12V battery cell monitoring, providing detailed battery performance logging during a fail-safe battery test or power outage. 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 voltages/temperatures (automatically for up to 16 user defined logs). Common applications of the CXCI logging include power system details, thermal performance of outdoor enclosures, battery cell specifics, or mains variations captured by an AC voltage watchdog.

The Cordex CXCI integrated system controller ensures effortless operation of the Cordex rectifier family. Time consuming, complicated set up and monitoring of DC power systems are now a thing of the past.

# Cordex CXCI System Controller

## Features

### Rectifier Features

- Single Point Adjustment
- Auto Load Share
- Plug & Play
- Power Save
- Power on Delay Start
- Upgradable Firmware via CXCI

### 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
- Smart Peripheral Module for 2V & 12V Battery Cell Monitor

### System Features

- CAN Bus interface to Cordex rectifiers and Smart Peripheral modules
- Power On System Delay Start
- Password Protection
- Virtual Rectifier, Battery & Shunt Addition Current
- I/O for 2 Temp Inputs, 2 Digital Inputs and 4 Form-C Relays
- User Configurable Signals
- Languages for English, Chinese & 3rd Language option
- User Configurable Alarms
- Downloadable Software Upgrades

### User Interface

- Ethernet Connection
- SNMP
- Web Based GUI
- Internet Browser
- Email Notifications
- Web Server

### Communication Ports

- CAN: Interface to Cordex series rectifiers and optional smart peripheral modules
- Ethernet: 10/100 Base T with half/full duplex

### Log Files

- Daily Statistics: Minimum, maximum 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: On all events such as alarms, power on, any change of state of the digital inputs or other miscellaneous 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 Peripheral modules

### Configurable Alarms

Alarms can be Mapped as Major, Minor or Message

- Rectifier: Rectifier Major/Minor  
Multiple and Individual Rectifier Fail  
Rectifier Communications Lost  
Rectifier Equalize Activated  
Rectifier Mains Fail  
Rectifier Fan Fail Alarm  
Rectifier Power Save Activated  
Urgent AC Mains Fail Timer
- Battery: Battery Run Time Low  
Battery Capacity Low  
Battery Over Temperature  
Battery on Discharge  
Temp Sensor Fail
- System: AC Mains High/Low Alarm  
High/Low Voltage Alarm  
High/Low Voltage 2 Alarm  
Charge Current High  
Total Load Current High  
Digital Input Alarms (editable text label)  
Real Time Clock Error  
Invalid Device Firmware  
Improper CXCI Shutdown

### Smart Peripheral Modules

- Shunt multiplexer: Monitors up to 16 shunts per module
- Battery cell monitor: BCM2V 1 string of 2V cells per module  
BCM12V 4 strings of 12V cells per module

## Electrical

- Input Voltage: 17 to 65VDC
- Current: <100mA @ 48VDC or < 200mA @ 24VDC

## Mechanical

- Dimensions: mm: 88H x 26W x 280D  
inch: 3.5H x 1.0W x 11.0D
- Mounting: Integrated on Cordex 2RU Series  
19" & 23" shelves

## Environmental

- Temperature: -40 to 65°C
- Humidity: 0 to 95% RH non-condensing

## Standards

- CSA C22.2 No 60950-1-03
- UL 60950-1 1<sup>st</sup> Edition
- CE Marked

For contact information visit [www.argusdcpower.com](http://www.argusdcpower.com)

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