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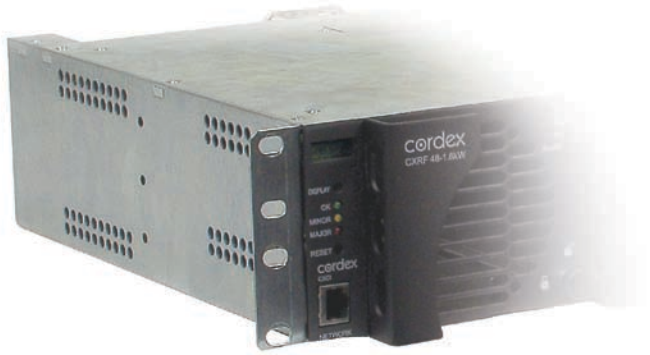
Alpha Power Systems

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.

ARGUS®

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 1st Edition
CE Marked

Alpha Power Systems

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