

Power Alpha

Power Systems

Cordex™ CXC

System Controller



- LCD touch-screen user interface
- Internet ready, integrated SNMP
- High reliability CAN bus communication
- User definable alarms
- Flexible battery management features
- Smart peripheral features

Cordex CXC brings advanced technology to the DC power industry. This compact system controller is designed for seamless operation and set up of Argus power systems and is equipped with a complete range of features.

A graphic LCD display with a state-of-the-art touch-screen interface allows simple and convenient local set up, control, and monitoring of Cordex rectifiers. By utilizing TCP/IP technology, complete configuration and monitoring of power equipment is possible through a network web browser. An RS-485 communication option ensures compatibility with Argus Pathfinder® rectifiers.

The Cordex CXC system controller ensures effortless operation of the Cordex rectifier family. Time consuming, complicated set up and monitoring of DC power systems or smart peripheral modules is now a thing of the past.

Cordex CXC System Controller

Features

User Interface

GUI:	Use internet browser (IE6 and above) to access embedded GUI through Ethernet port or RS-232 craft port
Display:	Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment
LED indicators:	System OK—Green Minor alarm—Yellow Major alarm—Red
Controls:	LCD touch screen with virtual alpha numeric and numeric keyboards
Audio:	Built in speaker for alarms and popup messages
Language:	Multi language support including Chinese characters

Communication Ports

RS-232 port:	Craft port on front panel for local connection and optional 2 nd port on rear panel for remote connection via external modem series
CAN:	Interface to Cordex series rectifiers and optional smart peripheral modules
RS-485:	Optional for Pathfinder series rectifiers
Ethernet:	10/100 Base T with half/full duplex
Modem:	Optional internal or external modems with dial back security and password control

Alarm

Relays:	Potential free Form C contacts
SNMP:	Compatible with IE HP Openview, SNMP
Pager:	Via modem

Data Logging

Daily statistics:	Minimum, maximum and average on analog 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, time of discharge, and battery capacity

Control Functions:

Battery temperature compensation
Automatic, scheduled (periodic) or manual equalize
Automatically terminated equalize charge
Battery current terminate equalize
Dynamic charge current control
Multiple LVD controls
Battery capacity and runtime prediction
Battery mid-point monitoring
Auto or manual battery test

Smart Peripheral Modules

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

Electrical

Input voltage:	20 to 60VDC
Current:	<100mA @ 48VDC <200mA @ 24VDC

Mechanical

Mounting:	CXCR with 19" or 23" rack mounting CXCP panel mount CXCM modular plug-in unit
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Dimensions

CXCP/R (Plus 19" or 23" bracket)	
mm:	131H x 431W x 100D
inches:	5.1H x 16.9W x 3.9D
CXCM	
mm:	177H x 74W x 255D
inches:	6.9H x 2.9W x 10D

Weight

CXCM	1.8kg (3.9lb)
CXCP/R	6.2kg (13.8lb)

Environmental

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

Standards

Safety:	CSA C22.2 No 60950-1-03 UL 60950-1 1 st Edition CE marked IEC/EN 60950-1
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



CXCR Rack Mount Controller