



Cordex CXCM1 HP controllers bring advanced HP monitoring technology to the Cordex 1.2kW rectifier platform. The compact CXCM1 HP system controller is an option for 1.2kW Cordex rectifier systems and includes the complete CXC HP feature set and hardware performance.

The modular CXCM1 HP controller includes a local USB port for local upgrades of software as well as full backup and restore capabilities. The local OLED display also provides new features to the platform such as IPv4/IPv6 address viewing and the ability to display system signals for all energy systems connected to the controller.

The CXCM1 HP provides the same features as the CXC HP controller as well as the same common GUI web interface. The CXC HP controller family offers many advanced features such as: customizable data logs and performance monitoring, advanced equation editing for fault management and automation, management of multiple energy systems, and many others.

The CXCM1 HP I/O feature set can be easily expanded with the addition CXC HP ADIO series peripherals to accommodate future needs as well as support site monitoring applications. CXC HP platforms ensure effortless operation and management to satisfy the most demanding energy system applications.

- + Modular, hot swappable controller for use with Alpha's HP 1.2kW rectifier platform
- + Advanced next-generation control and monitoring platform for Alpha's Cordex product family
- + Integrated USB host for local firmware upgrades, configuration updates and system backup/restoration
- + Seamless integration of multiple energy systems allowing comprehensive management, monitoring & control
- + Integrated OLED display with numerous features including local monitoring and configuration management

# CXCM1 HP System Controller

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## Features

### User Interface

- Display: Integrated OLED display with selection and navigation buttons. Features: ALCO, backup, restore, s/w and OS upgrade, display rotate, reset, IPv4/6 address view, system(s) status display
- Web UI: Embedded web based UI accessed via Ethernet using internet browser (Firefox, Chrome, IE)
- Audio: Built in multi-tone speaker
- LED indicators:
  - System OK: Green
  - Minor: Amber
  - Major/Critical: Red

### Battery

- Automatic battery test
- Battery runtime and capacity indication
- Charge current control
- Temperature compensation
- Equalize
- Absorption charge settings with entry/exit criteria

### System

- User management – Admin + 5 users with configurable access rights
- Advanced inventory management with custom inventory items
- User configurable alarms and custom data
- Advanced equation editing with timers and counters
- Software, firmware, and configuration file upgrade management
- CAN Bus interface to Cordex power electronics and peripherals
  - Custom data logging and performance monitoring
  - Powersave feature for optimizing system efficiency

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## Communication

- SNMP:..... SNMP v3 via Ethernet. Compatible with subscription and discovery services
- TCP/IP:..... IPv4 or IPv6
- Email:.....SMTP via Ethernet

## Communication ports

- CAN:.....Port accessible on 1.2kW shelf system for connection to CXC HP ADIO peripherals
- Ethernet:.....1x Port (front); 10/100 Base T with full/half duplex; Auto MDI/MDI-X
- USB:.....1x USB 2.0 Port (front)

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## Mechanical

Mounting:..... Modular controller for 1.2kW series shelf systems

### Dimensions:

mm:..... 44H x 88W x 318D  
inches:..... 1.73H x 3.5W x 12.5D

Weight:.....0.45kg (1.0lb)

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## Electrical

Input Voltage:..... 10 to 60 Vdc

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## System I/O

Alarm relays:.....4 (3 + 1 internal on some models)\*

Voltage inputs:.....1 + 1 internal

Temp inputs:.....2

Current inputs:.....1 (0 + 1 internal on some models)

Digital inputs:.....2 (1 + 1 internal on some models)

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## Environmental

Temperature:..... -40 to +65°C

Humidity:.....0 to 95% RH non-condensing

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## Agency Compliance

Safety:.....CSA C22.2 No 60950-1  
CE Marked

EMC:..... ETSI 300 386

Emissions:.....CFR47 (FCC) Part 15 Class B EN55022  
(CISPR 22) Class B C-Tick

Immunity:.....EN 61000-4-2/3/4/5/6

NEBS:.....NEBS Level 3 (In Process)

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