



# CORDEX™ CXCM1 HP

## SYSTEM CONTROLLER



- 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

P/N: 0180054

### ELECTRICAL

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

### PERFORMANCE / 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

**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)

**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)

### 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 (1.0 lb)

### ENVIRONMENTAL

**Temperature:** .....-40 to 65°C (-40 to 149°F)

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

### 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)