an EnerSys company

Cordex™ CXCi HP

System Controller

- Modular, hot swappable controller for use with Alpha's Cordex 2U rectifier, converter, and line powering platforms
- 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 and control
- Integrated OLED display with numerous features including local software upgrades and system backup/restore

Cordex CXCi HP controllers bring advanced HP monitoring technology to Cordex 2U powering solutions. The compact CXCi HP system controller is an option for 2U rectifiers, DC-DC converters, and line powering systems. The controller includes the complete CXC HP feature set and hardware performance.

The CXCi 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 CXCi 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 CXCi 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.

Cordex CXCi HP System Controller

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P/N: 0180053 and 0180056

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

Electrical	
Input Voltage:	10 to 60Vdc
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:	Integrated controller for 2U power solutions including: 250W, 400W, 650W, 1.8/2.0kW, CXDF converters, LPS36, and eLimiter+
Dimensions:	**mm:** 26H x 88W x 280D **inches:** 1.0H x 3.5W x 11D
Weight:	0.45kg (1.0 lb)
Environmental	
Temperature:	-40 to +65°C
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)