HELIOS
POWER SOLUTIONS

CXC HP

System Controller

The Sol Series CXC HP includes multiple communication ports including two Ethernet connections to permit simultaneous local craft access as well as permanent LAN/WAN connectivity. Dual USB ports provide advanced file management capabilities including firmware upgrades and system configuration management. A USB key may also be used to quickly backup and restore site configuration settings and data logs.

The Sol Series CXC HP web based user interface provides detailed inventory management allowing integration of advanced energy systems incorporating multiple power elements. Systems with various energy generation and storage elements can be configured and monitored with ease. Users may also create custom inventory such as shunts, LVD's, battery systems, and loads to effectively manage all aspects of their energy system. The Sol Series Cordex CXC HP ensures effortless operation and management to satisfy the most demanding and advanced energy system applications.

+ Advanced next-generation control and monitoring platform for Cordex product family
+ High resolution color touchscreen LCD display with advanced local UI
+ Integrated USB host for local firmware upgrades, configuration updates & system backup/restoration
+ Comprehensive graphical user interface for advanced system configuration
+ Seamless integration of multiple energy systems allowing comprehensive management, monitoring and control
+ External ADIO peripherals for customizing unique I/O configurations
+ Compact flexible mounting options to reduce space requirements

Cordex CXC HP
System Controller

User Interface
Local GUI: ..... LCD touch screen display for local access
Display: ..... Full graphic LCD, 480x272 pixels, with backlight and contrast adjustment
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

Communication
SNMP: ..... SNMP v3 via Ethernet. Compatible with subscription and discovery services
MODBUS TCP/IP: ..... IPv4 or IPv6

Communication ports
CAN: ..... 2x Ports for communication to Cordex series power electronics peripherals
Ethernet: ..... 2x Ports front and rear; 10/100 Base T with full/half duplex; Auto MDI/MDI-X
USB: ..... 2x USB 2.0 Ports front and rear

Electrical
Input voltage: ..... 10 to 60 Vdc

Mechanical
Dimensions:
mm:. ..... 83.5H x 153.8W x 46.2D
inches: ..... 3.3H x 6.1W x 1.8D
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 (Australia)
Immunity: ..... EN 61000-4-2, 4-3, 4-4, 4-5, 4-6
NEBS: ..... NEBS Level 3 Certified

System I/O Peripherals

Model	L-ADIO	HP-ADIO
P/N	0180039	0180057
Mechanical	84H x 200W x 30D (mm) 3.3H x 7.9W x 1.2D (in)	198H x 84W x 38D (mm) 7.8H x 3.3W x 1.5D (in)
Weight	0.27kg (0.6lb)	1kg (2lb)
Voltage inputs	4 BiV (-60 to + 60Vdc)	2 (-300 to + 300Vdc)
Shunt inputs	4 (25 to 200mV)	1 (25 to 200mV)
Temp inputs	4	2
Digital inputs	8	4
Relay outputs	12	6
DCCT current inputs		2 (-10 to +10 Vdc signal)

CX HP L- ADIO

CXC HP HV -ADIO

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