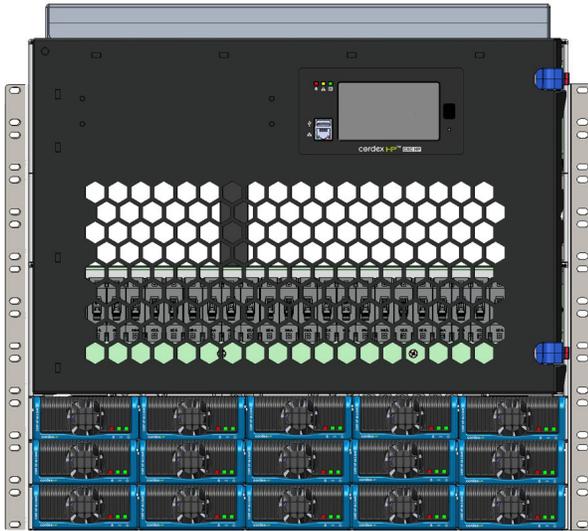




an EnerSys® company

CXPS-E3 900A

-48V Power System



- Integrated -48V, 900A power system with front access distribution in 11RU form factor
- Utilizes the highly efficient (>96.5%) Cordex® HP 3.0kW rectifier modules for reduced operating expense
- Dual 26-position distribution panels provide up to 52-positions for 1-, 2-, 3-pole breakers
- Versatile battery landing busbar accommodates both #2AWG and 4/0 AWG cables
- Easily integrates into EnerSys enclosures, relay racks or customer provided equipment
- Cordex® HP system controller enabling advanced monitoring and control

The CXPS-E3 900A power system uses high-density rectifiers, dual front access distribution panels and the advanced Cordex® CXC HP controller. The CXPS-E3 is the ideal solution for -48V telecom network applications requiring up to 900A output.

With 23" mounting, high temperature operation and high-power density, it is the perfect solution for a wide variety of installation scenarios including those in harsh, outdoor environments. Each 26-position distribution panel is front accessible, includes an integrated shunt for current sensing, and can accommodate 1-, 2-, 3-pole breakers. The integrated battery termination bar accepts both individual and bulk feed cables for increased runtime capabilities.

The Cordex® CXC HP controller includes a touch screen GUI for simple and convenient local setup. A built-in web server provides alternate setup via local or remote IP access, using a standard internet browser. The Cordex® HP L-ADIO peripheral offers modular and expandable I/O monitoring to power solutions and monitoring applications via CAN bus to the controller.

The CXPS-E3 900A power system can be easily integrated into customer provided relay racks or enclosures or can be ordered factory-installed into various EnerSys® relay rack and enclosure configurations.

CXPS-E3 900A -48V Power System

P/N: 0921001-001/-002

Electrical	
Input Voltage	187 to 277 Vac (nominal) 90 to 187 Vac (de-rated)
Input Frequency	45.0 Hz to 66.0 Hz
Input Current (Per Module)	15.5 A max (nominal) 14.2 A max (de-rated)
System AC Requirements	Up to (6) x 40 A and (3) x 20 A feeds
Efficiency	>96.5% (Cordex® HP 48-3.0kW)
Output Voltage	-48 Vdc (nominal) -42 Vdc to -58 Vdc (range)
Output Current	900 A max
Current Per Module	3.0 kW: 62.5 A max 2.4 kW: 50.0 A max
Features	
Rectifiers	<ul style="list-style-type: none"> • Cordex® HP 48-3.0kW • Cordex® HP 48-2.4kW
Distribution	<ul style="list-style-type: none"> • (52) x load breaker positions • (4) x 4/0 AWG battery connections • (6) x #2 AWG battery connections
Controller	Cordex® CXC HP System Controller <ul style="list-style-type: none"> • (2) x CAN ports • (2) x Ethernet ports • (2) x USB ports
Monitoring	Cordex® HP L-ADIO Peripheral <ul style="list-style-type: none"> • Current inputs • Voltage inputs • Temperature inputs • Digital inputs • Form C relay outputs

Mechanical	
Mounting	Flush/center mount
Dimensions (H x W x D)	19.25 in x 23.0 in x 21.0 in (489 mm x 685 mm x 533 mm)
Rack Space	11 RU total
Breaker Positions	(52) x load breaker positions
Hot (Load) Connections	(52) x sets of ¼ in studs on ¾ in centers
Return Positions	(52) x sets of ¼ in studs on ¾ in centers
Weight (System)	38.7 kg (85 lb)
Weight (Rectifier)	1.83 kg (4.04 lb)
Access	Front access after installation
Environmental	
Temperature	Operation: -40 to 55°C (-40 to 131°F) Storage: -40 to 85°C (-40 to 185°F)
Relative Humidity	0 to 95% non-condensing
Elevation	up to 2800 m (up to 9186 ft)
Cooling	Fan-cooled (front to rear)
Heat Dissipation	171 W (585 BTU/h) per module max
Agency Compliance	
Safety	CSA/UL 62368-1



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