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CXPS-E3

600A Power System



- Integrated -48V, 600A power system with front access distribution
- 26 distribution positions in 5RU, 3.0kW rectifier option
- Advanced CXC HP controller with touch screen display for full control
- Temperature rated design for harsh outdoor applications from -40 to 55°C
- Wide range AC input for flexible worldwide deployment using a single rectifier
- Industry leading power system density

The CXPS-E3 power system uses high-density rectifiers, a front access distribution center and the advanced CXC HP controller. The CXPS-E3 power system is the ideal solution for small to medium-sized 48VDC applications, providing up to 600 Amps of output current.

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. The distribution center provides 26 load breaker positions, integrated shunt and options for BLVD. All distribution connections and controller I/O contacts are front accessible. The 3.0kW provides the CXPS-E3 power system with the unique capability of having a single module serve a host of AC services (1Ph, 3 Ph, 208VAC, 240VAC, 277VAC).

The 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. System parameters are customizable and provided both locally and remotely.

The CXPS-E3 power system can be easily integrated into customer-provided relay racks or enclosures. It also can be ordered factory installed into various Alpha relay rack configurations and outdoor enclosures. This includes systems with pre-wired battery trays.

CXPS-E3 600A Power System

P/N: Refer online to ordering guide for P/N and configurations

Electrical		
System Capacity (Max):	600A	
Input:	Operating Voltage:	187 to 277VAC (Nominal)
	Extended (High):	277 to 310VAC
	Extended (Low):	90 to 187VAC (de-rated O/P power)
	System AC Requirements:	23" System: Up to 4 x 40A feeds & 2 x 20A feeds
	Efficiency:	>96% Peak efficiency
Output:	Current Per Module:	3.0kW: 62.5A @ 48VDC (nominal), 32A Max @ 48VDC (120VAC)
	Rectifier Positions:	23" System: Up to 10 rectifiers
Mechanical		
Mounting:	Flush/Center	
Dimensions:	mm: 222H x 584W x 432D (5RU) inches: 8.75H x 23W x 17D (5RU)	
Hot Positions:	26x Load Breakers 26x sets of 1/4" Studs on 5/8" Centers	
Return Positions:	26x sets of 1/4" Studs on 5/8" Centers	
Weight (System):	25.8kg (57lbs)	
Weight (Rectifier):	Module: 1.76kg (3.9lbs)	
System Access:	Front access after initial installation	
Controller:	CXC HP	
Environmental		
Temperature:	-40 to 55 °C (-40 to 131 °F)	
Humidity:	0 to 95% RH non-condensing	
Elevation:	-500 to 2000m (-1640 to 6600ft) -500 to 4000m (-1640 to 13100ft) with de-rated output	
Agency Compliance		
Safety:	CSA C22.2 No.62368-1	



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