



an EnerSys® company

CXPS-E105

225A Power System



- Integrated -48V, 225A power system with front access distribution 2RU form factor
- Utilizes the highly efficient (>96.5%) Cordex® HP 3.0kW rectifier modules for reduced operating expense
- 1RU distribution panel provides (10) load breaker positions, (2) battery breaker positions.
- IEC C20 AC input connections for simple installation
- 19" and 23" system configurations for versatile deployment
- Cordex® CXCi HP system controller enabling advanced monitoring and control

The CXPS-E105 power system combines high power density rectifiers, front-access distribution, and the advanced Cordex® CXCi HP controller into an integrated 2RU solution. The CXPS-E105 is an ultra-compact power system making it the ideal solution for space constrained applications requiring up to 225A of output capacity.

With 19" and 23" configurations, wide range AC input, and a 2RU form factor, the CXPS-E105 is a highly versatile power system. The IEC C20 AC input connections eliminates the requirement for a licensed electrician resulting in a simple and quick installation. The 1RU CXDM-E1 distribution panel provides (10) plug-in breaker positions for load distribution, (2) battery breaker positions, integrated shunt and low voltage battery disconnect (LVBD).

The CXPS-E105 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-E105 225A Power System

P/N: 0922001-00X

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	23 in System: • (1) x 40 A feeds • (2) x 20 A feeds 19 in System: • (3) x 20 A feeds
Efficiency	>96.5% (Cordex® HP 48-3.0kW)
Output Voltage	-48 Vdc (nominal) -42 Vdc to -58Vdc (range)
Output Power	23 in System: • 10800 W max • 9600 W max continuous to load 19 in System: • 9000 W max
Output Current	23 in System: • 225 A max • 200 A max continuous to load 19 in System: • 187.5 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"> • (10) x load breaker positions • (2) x battery breaker positions • 225A low voltage disconnect • 200A battery shunt
Controller	Cordex® CXG HP Modular Controller

Mechanical	
Mounting	Flush/center mount
Dimensions (H x W x D)	23 in System: • 3.5 in x 23.0 in x 18.75 in (133 mm x 584 mm x 476 mm) 19 in System: • 3.5 in x 19.0 in x 18.75 in (33 mm x 482 mm x 476 mm)
Hot Positions	(12) x sets of ¼" studs on ⅝" centers
Return Positions	(13) x sets of ¼" studs on ⅝" centers
Weight (System)	23 in System: • 19.5 kg (43.1 lb) 19 in System: • 18.3 kg (40.4 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	-500 to 2800 m (-1640 to 9186 ft)
Cooling	Fan-cooled (front to rear)
Heat Dissipation	1755 BTU/hr (worst case)
Agency Compliance (Pending)	
Safety	<ul style="list-style-type: none"> • CSA 22.2 No. 62362-1 Ed. 2 • UL 62368-1 Ed.2 • IEC/EN 62368-1 Ed.2
EMC	<ul style="list-style-type: none"> • CFR47 (FCC) Part 15 Class A • ICES-03 Class A • ETSI 300 386 C1.6.1



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