Cordex® 250W

12VDC Modular Rectifier Shelf Systems

an EnerSys® company

- 83A or 105A modular shelf systems for various 12VDC applications

- Convection cooled design for high reliability in harsh industrial environments

- Wide range AC input for multiple worldwide AC services

- Integrated system capability with shelf controller and DC distribution

The Cordex® series includes a complete range of modular 250W rectifier shelf systems to meet the needs of worldwide communications applications.

Cordex® 250W modular systems range from a 1.25kW bulk power 19″ shelf with CXCI HP to a 1kW fully integrated 19″ shelf power system with CXCI HP controller and bullet breaker distribution module.

The Cordex® 250W rectifier modules feature complete hot-swappability, high efficiency with power factor correction, and wide range input. Convection cooling and an ultra compact design also make Cordex® CXS shelf systems ideal for 12VDC applications.

Cordex® 250W Modular Rectifier Shelf Systems

19/23" Shelf Systems

Cordex® 1.0kW Shelf Power System
P/N: 030-770-20-XXX
Rectifiers: 4x CXRC 12-250W
Controller: 1x CXCi HP
Distribution: (4) AM Sytle Bullet Breakers (Factory Configured LVD)

Cordex® 1.25kW Bulk Power System
P/N: 030-783-20-XXX
Rectifiers: 5x CXRC-12-250W
Controller: Optional 1x CXCi HP
Distribution: Bulk power for external distribution (optional LVD)

Electrical

Operating:	90-276VAC
Extended High:	276-310VAC (derated input power factor)
Extended Low:	60-90VAC (derate linearly to 0% output power)
Power Output:	250W at 120-240VAC Nominal
Input Current:	1.1 to 1.3A (208-240VAC) 3.4A Max @ 85VAC
Output Current:	20.8A @ 12VDC

Mechanical

4 Rectifier Shelf:	
Dimensions:	**mm:** 88H x 444W x 307D **inches:** 3.5H x 17.5W x 12.1D
Weight:	6.39kg (15.2lbs)

5 Rectifier Shelf:	
Dimensions:	**mm:** 88H x 444W x 303D **inches:** 3.5H x 17.5W x 12D
Weight:	8.5kg (18.7lbs)

Module:	
Dimensions:	**mm:** 88H x 71.6W x 242D **inches:** 3.5H x 2.82W x 9.53D
Weight:	1.9kg (4.2lbs)

Note: Dimensions do not include mounting bracket

Communication Ports

CAN:	Interface to control rectifiers and smart peripherals
Ethernet:	10/100 Base-T for TCIP/SNMP features
USB:	Local backup and configuration transfer
I/O:	• 2 Digital Inputs (one used internally on systems with distribution) • 1 Voltage Sensor Input • 2 Temperature Sensor Inputs • 4 Dry Contact Outputs (one used internally on systems with LVD)

Enviromental

Temperature:	**Standard:** -40 to 50°C (-40 to 122°F) **Storage:** -40 to 85°C (-40 to 185°F)
Humidity:	0 to 95% Relative Humidity (non condensing)
Elevation:	-500 to 3000m (-1640 to 9840ft)
Cooling:	Natural convection (vertical airflow)

Related Components

Rectifier:	010-587-20-040
Rectifier Blank:	613-465-W3
Controller:	0180056-001
6ft ¼" Lug Temp Sensor:	747-028-20-071
6ft ⅜" Lug Temp Sensor:	747-082-20-071