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Cordex® 400W

24VDC Modular Rectifier Shelf Systems



- Single shelf modular rectifier solution provides multiple 24V configurations up to 70A for various 24VDC 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 400W rectifier shelf systems to meet the needs of worldwide communications applications.

Cordex® 400W modular systems range from a 2kW bulk power 19" shelf with CXCI HP to a 1.6kW fully integrated 19" shelf power system CXCI HP controller and distribution module.

The Cordex® 400W rectifier modules feature complete hot swappability, high efficiency with power factor correction, unique power limiting capability, and wide range input. Convection cooling and an ultra compact design also make Cordex® CXS shelf systems ideal for the communications industry.

Cordex® 400W 24VDC Modular Rectifier Shelf Systems

Cordex® 24-400W Rectifier Shelves

19/23" Shelf Systems



Cordex® 1.6kW Shelf Power System

P/N: 030-763-20-XXX

Rectifiers: 4x CXRC 24-400W

Controller: 1x CXG HP

Distribution: (4) AN Sytle Bullet Breakers (Factory Configured LVD)



Cordex® 2.0kW Bulk Power System

P/N: 030-773-20-XXX

Rectifiers: 5x CXRC 24-400W

Controller: Optional 1x CXG 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:	400W at 120-240VAC Nominal
Input Current:	1.7 to 2.0A (208-240VAC) 5.2A Max @ 90VAC
Output Current:	15A @ 24VDC 13.33A @ 27VDC

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: 1.6kg (3.6lbs)

Note: Dimensions do not include mounting bracket

Communication Ports

CAN:	Interface to control rectifiers and smart peripherals
Ethernet:	10/100 Base-T for TCP/IP/SNMP features
USB:	Local backup and configuration transfer
I/O:	<ul style="list-style-type: none"> • 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)

Environmental

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:	010-582-20-040
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



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