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# Cordex® 250W

## 12VDC Modular Rectifier Shelf Systems



- 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 12VDC Modular Rectifier Shelf Systems

## 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 CXG HP

**Distribution:** (4) AM Style 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 CXG HP

**Distribution:** Bulk power for external distribution (optional LVD)

## Electrical

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

## Mechanical

### 4 Rectifier Shelf:

<b>Dimensions:</b>	mm: 88H x 444W x 307D inches: 3.5H x 17.5W x 12.1D
<b>Weight:</b>	6.39kg (15.2lbs)

### 5 Rectifier Shelf:

<b>Dimensions:</b>	mm: 88H x 444W x 303D inches: 3.5H x 17.5W x 12.0
<b>Weight:</b>	8.5kg (18.7lbs)

### Module:

<b>Dimensions:</b>	mm: 88H x 71.6W x 242D inches: 3.5H x 2.82W x 9.53D
<b>Weight:</b>	1.9kg (4.2lbs)

Note: Dimensions do not include mounting bracket

## Communication Ports

<b>CAN:</b>	Interface to control rectifiers and smart peripherals
<b>Ethernet:</b>	10/100 Base-T for TCIP/SNMP features
<b>USB:</b>	Local backup and configuration transfer
<b>I/O:</b>	<ul style="list-style-type: none"> <li>• 2 Digital Inputs (one used internally on systems with distribution)</li> <li>• 1 Voltage Sensor Input</li> <li>• 2 Temperature Sensor Inputs</li> <li>• 4 Dry Contact Outputs (one used internally on systems with LVD)</li> </ul>

## Environmental

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

## Related Components

<b>Rectifier:</b>	010-587-20-040
<b>Rectifier Blank:</b>	613-465-W3
<b>Controller:</b>	0180056-001
<b>6ft 1/4" Lug Temp Sensor:</b>	747-028-20-071
<b>6ft 3/8" Lug Temp Sensor:</b>	747-082-20-071



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