

Cordex™ Series



Cordex switch mode rectifiers and controllers bring advance technology to the DC power industry. This next generation of power products, combines the best in power density, reliability, and cost efficiency. Cordex rectifiers and Cordex CXC system controllers are specially engineered to work seamlessly together.

The Cordex CXC controller streamlines setup, adjustment, control, and monitoring through a graphic LCD display with a state-of-the-art, touch-screen interface. By utilizing TCP/IP technology, complete configuration and monitoring of power equipment is possible through a network web browser.

Cordex offers high efficiency, constant power rectifiers with wide range AC input. Systems or bulk power are available in 19" or 23" shelf configurations. Power systems have a range of options including distribution and controller. Cordex is an ideal solution to meet the needs for a variety of system applications.

Cordex Rectifiers

Cordex CXRC 4RU Convection cooled

Dimensions

mm: 177H x 71W x 250D
inches: 6.9H x 2.8W x 9.8D

Weight

kg: 2.9
lb: 6.4

Cordex 1kW

- 21A @ 48VDC
- >92% efficiency

Cordex 1.1kW

- 8.8A @ 125VDC
- >93% efficiency

Cordex 1.1kW

- 5A @ 220VDC
- >94% efficiency



Cordex CXRF 4RU Fan cooled

Dimensions

mm: 160H x 87W x 300D
inches: 6.3H x 3.4W x 11.8D

Weight

kg: 4.5
lb: 10

Cordex 3.1kW

- 130A @ 24VDC
- >90% efficiency

Cordex 3.6kW

- 75A @ 48VDC
- >92% efficiency

Cordex 4.4kW

- 35A @ 125VDC
- >93% efficiency

Cordex 4.4kW

- 20A @ 220VDC
- >93% efficiency



*3.1kW and 3.6kW available in Grey only

Cordex Power Systems

48V Large Power Systems

- 8000A capacity
- Designed for MSCs, COs, and Cable Headend facilities
- Cordex 3.6kW modular rectifiers
- Circuit breaker and TPL fuse options
- Internal bay-to-bay copper busswork
- Expandable power and distribution bays



24V Medium Power Systems

- Up to 2000A systems
- Cordex modular rectifiers
- User-configurable, modular distribution tiers
- Intelligent system control and communication
- Optional 24 to 48VDC converters



Cordex CXRC 2RU
Convection cooled

Dimensions

mm: 88.4H X 71.6W X 242D
inches: 3.4H X 2.8W X 9.5D

Weight

kg: 1.4
lb: 3

Cordex 250W

- 18.5A @ 12VDC
- >90% efficiency

Cordex 400W

- 14A @ 24VDC
- >90% efficiency

Cordex 650W

- 13.5A @ 48VDC
- >91% efficiency



Cordex CXRF 2RU
Fan cooled

Dimensions

mm: 84H x 100W x 235D
inches: 3.3H x 3.94W x 9.25D

Weight

kg: 2.8

Cordex 1.8kW

- 37.5A @ 48VDC
- >91% efficiency



48V Medium Power Systems

- Up to 2000A systems
- Cordex modular rectifiers
- User-configurable, modular distribution tiers
- Intelligent system control and communication



12V, 24V, 48V Shelf Systems

- Up to 150A systems
- Cordex modular rectifiers
- Intergrated distribution and control



Cordex CXC Controllers

➤ Key Features

- Software features are standard on all CXC modules
- CAN bus interface to Cordex rectifiers and smart peripheral modules
- Ethernet and SNMP communication connections
- Flexible battery management features with cell monitoring
- Control and monitor via Windows Internet Explorer
- Single point adjustment
- User definable data logging
- Multi-language options
- Rectifier firmware upgrades via CXC
- Downloadable CXC software upgrades

CXCR	CXCM	CXCI
Cordex Rackmount Controller CXCP Cordex panel mount controller available	Cordex Plugin Controller CXCM Cordex plug-in controller, available in 2RU, 3RU and 4RU models	Cordex Integrated Controller CXCI controller available in 2RU
		

Cordex Series Overview

Output Voltage	Rectifier Power	Input Voltage	Form Factor/Cooling	Controller Options		
				CXCR/P	CXCM	CXCI
12VDC	250W	120/208–240VAC	2RU/Convection	—	—	X
24VDC	400W	120/208–240VAC	2RU/Convection	—	—	X
	3.1kW	208–277VAC	4RU/Fan	X	X	—
48VDC	650W	120/208–240VAC	2RU/Convection	—	X ^[1]	X
	1kW	208–277VAC	4RU/Convection	X	X	—
	1.8kW	208–277VAC	2RU/Fan	X	X	X
	3.6kW	208–277VAC	4RU/Fan	X	X	—
125VDC	1.1kW	208–277VAC	4RU/Convection	X ^[2]	—	—
	4.4kW	208–277VAC	4RU/Fan	X ^[2]	—	—
220VDC	1.1kW	208–277VAC	4RU/Convection	X ^[2]	—	—
	4.4kW	208–277VAC	4RU/Fan	X ^[2]	—	—

[1] Available on 3RU 23" Shelf System

[2] Includes ground fault detection

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