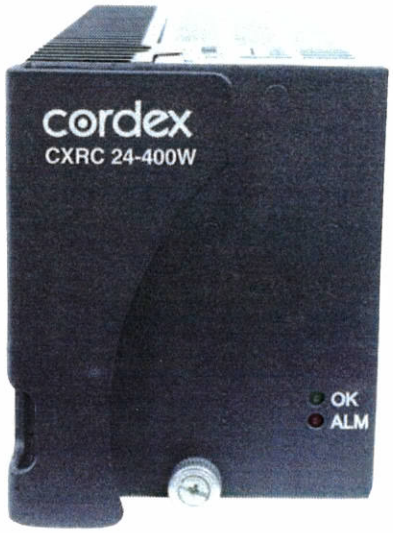
Cordex™ 400W

Modular Switched Mode Rectifier



CXRC 24-400W

- Available in 14A @ 24VDC
- Universal 120/208 to 240VAC input
- High efficiency and power factor correction
- Convection cooled
- Hot swappable, 2RU ultra compact design

Cordex rectifiers bring advanced technology to the DC power industry. Innovative engineering combines the best in efficiency and reliability meeting the power requirements for a variety of system applications.

The Cordex 400W rectifier is available in a choice of 19" or 23" shelf configurations. Both system options come complete with distribution, controller, and capacity for four rectifiers. With 1.6kW total output per shelf, it is an ideal solution to meet the needs of applications requiring lower power.

Local and remote setup, adjustment, and control is a simple single-step process with the Cordex CXC System Controller. By utilizing TCP/IP technology, complete configuration and monitoring of power equipment is possible through a network web browser.

ARGUS

Cordex 400W Modular Switched Mode Rectifier

Rectifier Module(s)

Electrical

Input voltage:	90 to 320VAC
Power output:	400W
Input frequency:	45 to 70Hz
Power factor:	>99%
THD:	<5%
Efficiency:	>90%
Output voltage:	20 to 29VDC
Output current:	14A @ 27VDC (14A max.)
Load regulation:	Static <±0.5% Dynamic <±2% for 50 to 100% load step 2ms recovery time
Line regulation:	Static <±0.1% Dynamic <±1% for any change within rated limits
Wide band noise:	<30mVrms <150mVp-p
Psophometric noise:	<1mV

Mechanical

Dimensions	
mm:	88.4H x 71.6W x 242D
inches:	3.4H x 2.8W x 9.5D
Weight:	1.4kg (3lb)

Features

Indicators:	AC mains OK—green LED Module alarm—red LED
Cooling:	Natural convection
Adjustments:	
(via CXC Controller)	Float and equalize voltage Battery test voltage High and low voltage alarms High voltage shutdown Current limit Start delay time Slope %
Protection:	Current limit/short circuit Input/output fuses Output high voltage shutdown Output power limiting Thermal foldback/shutdown Input transient AC low line foldback/shutdown AC high voltage shutdown

Environmental

Temperature	
Operation:	-40 to 50°C (-40 to 122°F) (power derated up to 70°C/158°F)
Storage:	-40 to 85°C (-40 to 185°F)
Humidity:	0 to 95% RH non-condensing
Elevation:	-500 to 3000m (-1640 to 9840ft)
Heat dissipation:	<151 BTU per hour

Shelves

Mechanical

19" shelf

Dimensions	
mm:	88.9H x 444W x 279.4D
inches:	3.5H x 17.5W x 11D
Weight:	8.5kg (18.7lb)
Mounting:	Fits 19" rack flush mount

23" shelf

Dimensions	
mm:	133H x 533W x 279.4D
inches:	5.25H x 21W x 11D
Weight:	12.7kg (28lb)
Mounting:	Fits 23" rack center mount

Note: Consult factory for other 12", 19" and 23" shelf configurations.

Connections

Input:	Dual feed terminal blocks 4 to 6mm² (12 to 10AWG)
Output:	¼" studs on ⅝" centers
Chassis ground:	¼" stud
CAN communication:	RJ 12 offset

Standards

The Cordex 400W is designed to meet the following:

Safety:	CSA C22.2 No 60950-1-03 UL 60950-1 1st Edition CE marked IEC/EN 60950-1
EMC:	ETSI 300 386
Emissions:	CFR47 (FCC) Part 15 Class B ICES-03 Class B EN55022 (CISPR 22) Class B C-tick (Australia)
Immunity:	EN 61000-3-2 EN 61000-3-3 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-11 ANSI/IEEE C62.41 Cat B3

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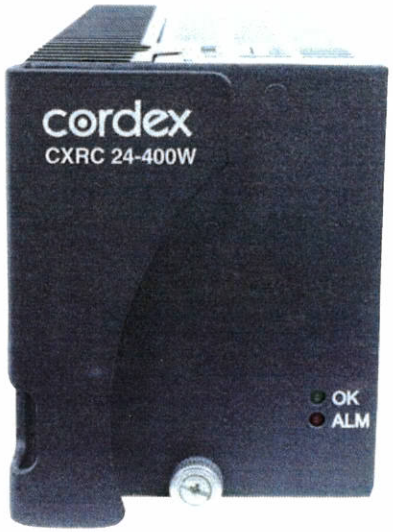

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