

CORDEX® 400W

24VDC MODULAR SWITCHED MODE RECTIFIER

OVERVIEW

Available in 14A @ 24Vdc

Universal 120/208 to 240Vac input

High efficiency and power factor correction

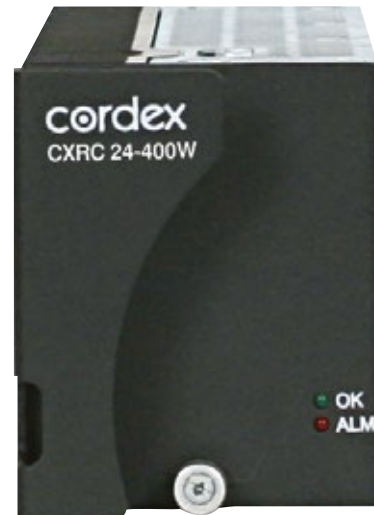
Convection cooled

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.



CORDEX® 400W 24VDC MODULAR SWITCHED MODE RECTIFIER

ELECTRICAL

Input Voltage:	Nominal: 90 to 320Vac Extended: 70 to 90Vac (de-rated output power)
Input Frequency:	45 to 70Hz
Power Output:	380W (max)
Power Factor:	>0.99
THD:	<5%
Efficiency:	>91% (max)
Output Voltage:	21 to 30Vdc
Output Current:	14A (current limited)
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

PERFORMANCE / FEATURES

Indicators:	AC mains OK – green LED Module alarm – red LED
Cooling:	Natural convection
Adjustments (via CXCI HP 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

MECHANICAL

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

ENVIRONMENTAL

Temperature:	Operation: -40 to 50°C (-40 to 122°F) (power de-rated 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 3,000m (-1,640 to 9,840ft)
Heat dissipation:	<151 BTU per hour/44W

SHELVES

19" shelf

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

23" shelf

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

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

Connections:	Input: Dual feed terminal blocks 4 to 6mm ² (12 to 10AWG) Output: ¼" studs on ½" centers Chassis Ground: ¼" stud CAN Communication: RJ 12 offset
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STANDARDS AND CERTIFICATION

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: ICES-03 Class B, EN55022 (CISPR 22) Class B, C-Tick (Australia), EN 61000-3-2, EN 61000-3-3 Immunity: 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

PRODUCT NUMBER

010-582-20-040



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