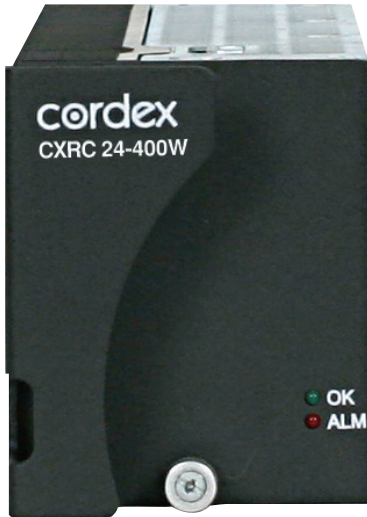




an EnerSys company

# Cordex™ 400W

## 24Vdc Modular Switched Mode Rectifier



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

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**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

03/2020

AMERICAS P/N: 010-582-20-040, EMEA P/N: 1000032524

Electrical	
<b>Input Voltage:</b>	<b>Nominal:</b> 90 to 320Vac <b>Extended:</b> 70 to 90Vac (de-rated output power)
<b>Input Frequency:</b>	45 to 70Hz
<b>Power Factor:</b>	>99%
<b>THD:</b>	<5%
<b>Efficiency:</b>	>91% (max)
<b>Power Output:</b>	380W (max)
<b>Output Voltage:</b>	21 to 30Vdc
<b>Output Current:</b>	14A (current limited)
<b>Load Regulation:</b>	Static <±0.5% Dynamic <±2% for 50 to 100% load step 2ms recovery time
<b>Line Regulation:</b>	Static <±0.1% Dynamic <±1% for any change within rated limits
<b>Wide Band Noise:</b>	<30mVrms <150mVp-p
<b>Psophometric Noise:</b>	<1mV
Performance / Features	
<b>Indicators:</b>	AC mains OK — green LED Module alarm — red LED
<b>Cooling:</b>	Natural convection
<b>Adjustments: (Via CXCI HP Controller)</b>	<ul style="list-style-type: none"> <li>• Float and equalize voltage</li> <li>• Battery test voltage</li> <li>• High and low voltage alarms</li> <li>• High voltage shutdown</li> <li>• Current limit</li> <li>• Start delay time</li> <li>• Slope %</li> </ul>
<b>Protection:</b>	<ul style="list-style-type: none"> <li>• Current limit/short circuit</li> <li>• Input/output fuses</li> <li>• Output high voltage shutdown</li> <li>• Output power limiting</li> <li>• Thermal foldback/shutdown</li> <li>• Input transient</li> <li>• AC low line foldback/shutdown</li> <li>• AC high voltage shutdown</li> </ul>
Mechanical	
<b>Dimensions:</b>	<b>mm:</b> 88.4H x 71.6W x 242D <b>inches:</b> 3.4H x 2.8W x 9.5D
<b>Weight:</b>	1.4kg (3lbs)

Environmental	
<b>Temperature:</b>	<b>Operation:</b> -40 to 50°C (-40 to 122°F) (power de-rated up to 70°C/158°F) <b>Storage:</b> -40 to 85°C (-40 to 185°F)
<b>Humidity:</b>	0 to 95% RH non-condensing
<b>Elevation:</b>	-500 to 3000m (-1640 to 9840ft)
<b>Heat Dissipation:</b>	<151 BTU per hour/44 Watts
Shelves	
19" shelf	
<b>Dimensions:</b>	<b>mm:</b> 88.9H x 444W x 279.4D <b>inches:</b> 3.5H x 17.5W x 11D
<b>Weight:</b>	8.5kg (18.7lbs)
<b>Mounting:</b>	Fits 19" rack flush mount
23" shelf	
<b>Dimensions:</b>	<b>mm:</b> 133H x 533W x 279.4D <b>inches:</b> 5.25H x 21W x 11D
<b>Weight:</b>	12.7kg (28lbs)
<b>Mounting:</b>	Fits 23" rack center mount
Note: Consult factory for other 19" and 23" shelf configurations.	
<b>Connections</b>	<b>Input:</b> Dual feed terminal blocks 4 to 6mm <sup>2</sup> (12 to 10AWG) <b>Output:</b> ¼" studs on ½" centers <b>Chassis Ground:</b> ¼" stud <b>CAN Communication:</b> RJ 12 offset
Agency Compliance	
The Cordex™ 400W is designed to meet the following:	
<b>Safety:</b>	<ul style="list-style-type: none"> <li>• CSA C22.2 No 60950-1-03</li> <li>• UL 60950-1 1st edition</li> <li>• CE marked</li> <li>• IEC/EN 60950-1</li> </ul>
<b>EMC:</b>	ETSI 300 386 <b>Emissions:</b> <ul style="list-style-type: none"> <li>• ICES-03 Class B</li> <li>• EN55022 (CISPR 22) Class B</li> <li>• C-Tick (Australia)</li> <li>• EN 61000-3-2</li> <li>• EN 61000-3-3</li> </ul> <b>Immunity:</b> <ul style="list-style-type: none"> <li>• EN 61000-4-2</li> <li>• EN 61000-4-3</li> <li>• EN 61000-4-4</li> <li>• EN 61000-4-5</li> <li>• EN 61000-4-6</li> <li>• EN 61000-4-11</li> <li>• ANSI/IEEE C62.41 Cat B3</li> </ul>