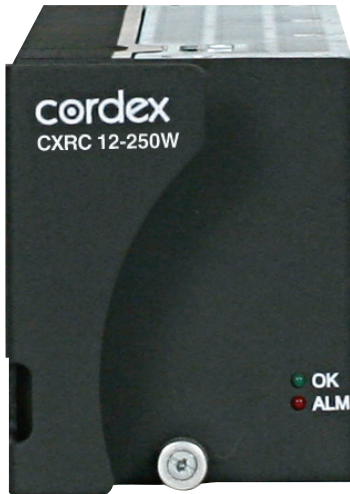




an EnerSys company

Cordex[®] 250W

12Vdc Modular Switched Mode Rectifier



- Switched mode rectifier available in 20.8A @ 12Vdc
- Universal 120/208 to 240Vac input
- Power factor correction
- Convection cooled
- Hot swappable, 2RU ultra compact design

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

The Cordex 250W rectifier is available in a 19" integrated shelf configuration, complete with distribution, controller, and capacity for four rectifiers. With 1kW total output per shelf, it is an ideal solution for applications requiring 12Vdc power.

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

Electrical	
Input Voltage:	Nominal: 90 to 320Vac Extended: 70 to 90Vac (de-rated output power)
Input Frequency:	45 to 70Hz
Power Factor:	>99%
THD:	<5%
Efficiency:	>90%
Power Output:	250W
Output Voltage:	10.5 to 14.5Vdc
Output Current:	18.5A @ 13.5Vdc (20A max)
Load Regulation:	<±0.5% (static)
Line Regulation:	<±0.1% (static)
Transient Response:	±2% for 50 to 100% load step 2ms recovery time
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 controller):	<ul style="list-style-type: none"> • Float and equalize voltage • Battery test voltage • High and low voltage alarms • High voltage shutdown • Current limit • Start delay time • Slope %
Protection:	<ul style="list-style-type: none"> • 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:	mm: 88.4H x 71.6W x 242D inches: 3.4H x 2.8W x 9.5D
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 3000m (-1640 to 9840ft)
Heat Dissipation:	<94 BTU per hour/28 Watts
Shelves	
19" shelf	
Dimensions:	mm: 88.9H x 444W x 279.4D inches: 3.5H x 17.5W x 11D
Weight:	8.5kg (18.7lbs)
Mounting:	Fits 19" rack flush/center mount Fits 23" rack center mount
Note: Consult factory for other 12" and 19" shelf configurations.	
Connections:	Input: Dual feed terminal blocks 4 to 6mm ² (12 to 10AWG) Output: 1/4" studs on 1/2" centers Chassis Ground: 1/4" stud CAN Communication: RJ 12 offset
Agency Compliance	
The Cordex™ 250W is designed to meet the following:	
Safety:	<ul style="list-style-type: none"> • CSA C22.2 No 60950-1-03 • UL 60950-1 1st edition • CE marked • IEC/EN 60950-1
EMC:	ETSI 300 386 Emissions: <ul style="list-style-type: none"> • ICES-03 Class B • EN55022 (CISPR 22) Class B • C-Tick (Australia) • EN 61000-3-2 • EN 61000-3-3 Immunity: <ul style="list-style-type: none"> • 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
NEBS/Telcordia:	<ul style="list-style-type: none"> • GR-1089-CORE • GR-63-CORE • GR-3108-CORE