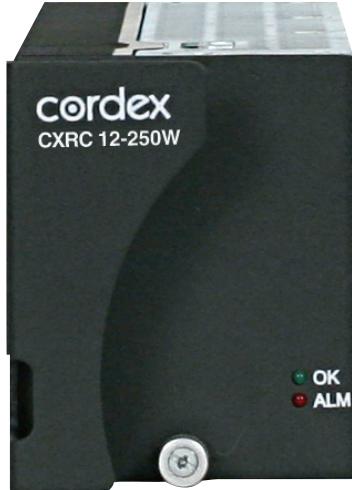




an EnerSys® company

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.

Cordex® 250W 12VDC Modular Switched Mode Rectifier

P/N: 010-587-20

Electrical		Environmental	
Input Voltage:	Nominal: 90 to 320VAC Extended: 70 to 90VAC (de-rated output power)	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)
Input Frequency:	45 to 70Hz	Humidity:	0 to 95% RH non-condensing
Power Factor:	>99%	Elevation:	-500 to 3000m (-1640 to 9840ft)
THD:	<5%	Heat Dissipation:	<94 BTU per hour/28 Watts
Efficiency:	>90%	Shelves	
Power Output:	250W	19" shelf	
Output Voltage:	10.5 to 14.5VDC	Dimensions:	mm: 88.9H x 444W x 279.4D inches: 3.5H x 17.5W x 11D
Output Current:	18.5A @ 13.5VDC (20A max)	Weight:	8.5kg (18.7lbs)
Load Regulation:	<±0.5% (static)	Mounting:	Fits 19" rack flush/center mount Fits 23" rack center mount
Line Regulation:	<±0.1% (static)	Note: Consult factory for other 12" and 19" shelf configurations.	
Transient Response:	±2% for 50 to 100% load step 2ms recovery time	Connections:	Input: Dual feed terminal blocks 4 to 6mm² (12 to 10AWG) Output: 1/4" studs on 5/8" centers Chassis Ground: 1/4" stud CAN Communication: RJ 12 offset
Wide Band Noise:	<30mVrms <150mVp-p	Agency Compliance	
Psophometric Noise:	<1mV	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
Performance / Features		EMC:	<p>ETSI 300 386</p> <p>Emissions:</p> <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 <p>Immunity:</p> <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
Indicators:	AC mains OK — green LED Module alarm — red LED	NEBS/Telcordia:	<ul style="list-style-type: none"> GR-1089-CORE GR-63-CORE GR-3108-CORE
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)		



Alpha Technologies Services, Inc. USA: 3767 Alpha Way, Bellingham, WA 98226 Canada: 7700 Riverfront Gate, Burnaby, BC V5J 5M4
Toll Free North America: +1 800 322 5742 Outside US: +1 360 647 2360 Technical Support: +1 800 863 3364

For more information visit www.alpha.com

© 2020 Alpha Technologies Services, Inc. All Rights Reserved. Trademarks and logos are the property of Alpha Technologies Services, Inc.
and its affiliates unless otherwise noted. Subject to revisions without prior notice. E. & O.E.

09/2020
#048-644-10 REV F