



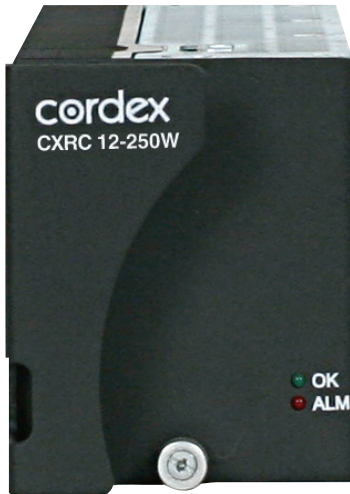
an EnerSys® company

Cordex® 250W

12VDC Modular Switched Mode Rectifier

Distributed in Australia by:

Alpha
Power Systems



- 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 | |
|---|---|
| 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: ¼" studs on ½" centers Chassis Ground: ¼" stud CAN Communication: RJ 12 offset |
| Agency Compliance | |
| 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 |

For more information, please contact Australian Distributor:



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