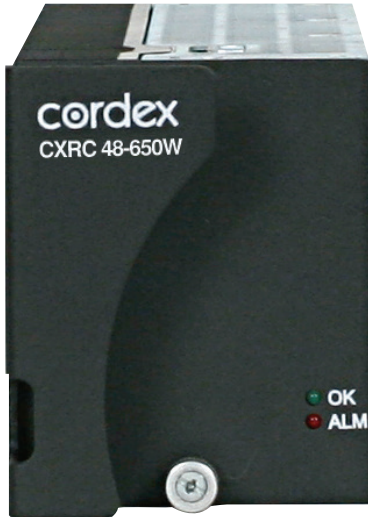




an EnerSys® company

Cordex® 650W

48VDC Modular Switched Mode Rectifier



- Available in 13.5A @ 48VDC (at nominal input voltage)
- Universal 120V/208 to 240V single phase AC input
- Power limiting and wide range AC input
- 91% 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® 650W rectifier is available in a choice of 19" or 23" shelf configurations. Either power system option comes complete with distribution, controller, and rectifier slots. With a maximum of 2.6kW 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® 650W 48VDC Modular Switched Mode Rectifier

Universal 120/240 model P/N: 010-570-20-041

| Electrical | |
|---|---|
| Input Voltage (Universal 100 to 240VAC model): | Nominal: 176 to 320VAC (output power 650W) Extended: 90 to 176VAC (de-rated output power) Power Output: 650W at nominal 208 to 240VAC & 500W at nominal 120VAC |
| Input Frequency: | 45 to 70Hz |
| Power Factor: | >99% |
| THD: | <5% |
| Efficiency: | >91% |
| Output Voltage: | 42 to 58VDC |
| Output Current: | 12A @ 54VDC (13.5A max) |
| 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): | <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 65°C/149°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 |
| 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"> • CFR47 (FCC) Part 15 Class B • 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 61000-4-2 • 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 |



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