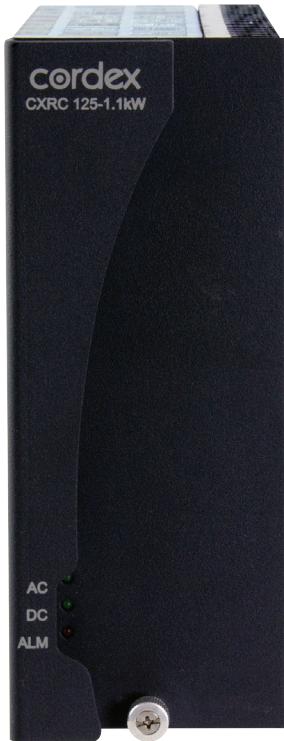




an EnerSys® company

Cordex® 1.1kW

Modular Switched Mode Rectifier



- Switch mode rectifier provides 8.8A output @ 125VDC or 5A @ 220VDC
- Power limiting and wide range AC input
- 93% peak efficiency with power factor correction
- Convection cooled
- Hot swappable, 4RU 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.

This rectifier is specifically designed to recharge all types of stationary batteries for large utility, petrochemical and industrial uses.

The Cordex® 1.1kW is a compact 4RU allowing six rectifiers per 19" shelf. In addition to a range of standard features, the convection cooling will maintain ideal operating temperatures in the often dusty environments of utility applications.

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® 1.1kW Modular Switched Mode Rectifier

125V P/N: 010-579-20-041

220V P/N: 010-569-20-041

| Electrical | | Mechanical | |
|---|---|--|--|
| Input Voltage: | Nominal: 208 to 240VAC Operating: 85 to 320VAC Extended: 150 to 176VAC (de-rated to 75%) | Dimensions: | mm: 177H x 71W x 250D inches: 6.9H x 2.8W x 9.8D |
| Input Frequency: | 45 to 70Hz | Weight: | 125V: 3.2kg (7.1lbs) 220V: 2.9kg (6.4lbs) |
| Power Output: | 1100W continuous/module | | |
| Power Factor: | >0.99 (input current) | | |
| THD: | <5% | | |
| Efficiency: | >93% peak nominal conditions | | |
| Output Voltage: | 125V: 90 to 160VDC 220V: 180 to 320VDC | | |
| Output Current: | 125V: 8.8A @ 125VDC (11A max) 220V: 5A @ 220VDC (5.5A max) | | |
| Load Regulation: | Static <±0.7% | | |
| Line Regulation: | Static <±0.1% | | |
| Transient Response: | <±2% for 40 to 90% load step, 20ms recovery time | | |
| Wide Band Noise: | <ul style="list-style-type: none"> <30mVrms <150mVp-p | | |
| Insulation: | <ul style="list-style-type: none"> 2.5kVAC input-earth 3kVAC input-output 2kVAC output-earth 0.5kVAC signals-earth | | |
| Performance / Features | | Environmental | |
| Indicators: | AC mains OK — green LED Module OK — green LED Module alarm — red LED | Temperature: (Based on 3 modules installed) | 125V: Operation: -40 to 42°C (-40 to 107.6°F) Extended: 65°C/149°F 600W Storage: -50 to 85°C (-58 to 185°F) |
| Cooling: | Natural convection | 220V | Operation: -40 to 48°C (-40 to 118.4°F) Extended: 65°C/149°F 600W Storage: -50 to 85°C (-58 to 185°F) |
| Adjustments (via CXC controller): | <ul style="list-style-type: none"> Float and equalize voltage Battery test voltage High and low voltage alarms Current limit Start delay time | Humidity: | 0 to 95% RH non-condensing |
| Protection: | <ul style="list-style-type: none"> Current limit/short circuit Input fuses Output high voltage shutdown Output power limiting Thermal foldback/shutdown Input transient AC low line foldback/shutdown AC high voltage shutdown Earth leakage alarm | Elevation: | -500 to 4000m (-1640 to 13120ft) |
| | | Heat dissipation: | 125V: <400 BTU per hour (max)/117 Watts 220V: <282 BTU per hour (max)/83 Watts |
| Shelves | | | |
| P/N: 030-740-20 | | | |
| 19" shelf (6 module) | | | |
| Dimensions: | | Weight: | mm: 177H x 444W x 303D inches: 6.9H x 17.5W x 11.9D |
| Weight: | | | 7.3kg (16lbs) |
| Mounting: | | | <ul style="list-style-type: none"> Fits 19" rack flush mount Fits 19" or 23" center mount |
| Connections: | | | Input: Terminal blocks for 3 feeds 4 – 6mm² (12 – 10AWG) Output: ¼" studs on ½" centers Chassis Ground: ¼" stud CAN Communication: RJ 12 offset |
| Agency Compliance | | | |
| Cordex® 1.1kW is designed to meet the following: | | | |
| Safety: | | EMC: | Emissions: <ul style="list-style-type: none"> CFR47 (FCC) Part 15 Class A ICES-03 Class A EN55022 (CISPR 22) Class A 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 |
| | | | CSA C22.2 No 60950-1-03 UL 60950-1 1st edition CE marked IEC/EN 60950-1 |



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