Cordex[™] 1.1kW 220Vdc Modular Switched Mode Rectifier



Your Power Solutions Partner

- > Switch mode rectifier provides 5A output @ 220Vdc
- > Power limiting and wide range AC input
- > Compliant with the stringent EMI immunity requirements for power station and substation environments
- > 93% 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.





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Part Number: 010-569-20

ELECTRICAL

Input voltage:

Extended:176 to 150Vac (de-rated to 75%)

Input frequency:.....45 to 66Hz

Output voltage:180 to 320Vdc

Transient response:<±2% for 50 to 100% load step,

10ms recovery time

Wide band noise:<30mVrms

<150mVp-p

Insulation: 2.5kVac input-earth 3kVac input-output

2kVac output-earth 0.5kVac signals-earth

PERFORMANCE / FEATURES

 $\textbf{Indicators:} \dots \dots \text{AC mains OK} - \text{green LED}$

Module OK — green LED Module alarm — red LED

Cooling:Natural convection

Adjustments:Float and equalize voltage

(via CXC controller) Battery test voltage

High and low voltage alarms High voltage shutdown

Current limit Start delay time Slope %

Input/output 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

MECHANICAL

Dimensions:

ENVIRONMENTAL

Temperature:

SHELVES

P/N: 030-718-20

>19" shelf (6 module)

Dimensions:

Mounting:Fits 19" rack flush mount

Fits 19" or 23" center mount

Connections:

Input:.....Terminal blocks for 3 feeds
4-6mm² (12-10AWG)
Output:......14" studs on 5%" centers

Chassis ground:......1/4" stud CAN communication:.....RJ 12 offset

AGENCY COMPLIANCE

The Cordex[™] 1.1kW is designed to meet the following:

Safety:......CSA C22.2 No 60950-1-03

UL 60950-1 1st edition CE marked IEC/EN 60950-1

EMC:ETSI 300 386

Emissions: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:EN 61000-4-2

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

IEC TS 61000-6-5 Immunity for power station

and substation environments

Alpha Technologies Ltd.

For more information visit www.alpha.ca

 Canada: Burnaby, British Columbia
 T: 604.436.5900
 F: 604.436.1233

 United States: Bellingham, Washington
 T: 360.647.2360
 F: 360.671.4936