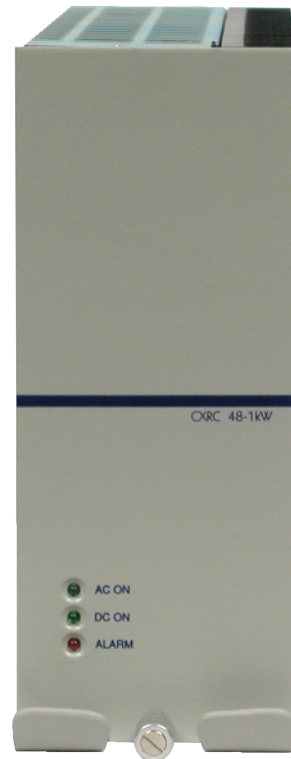


Power

Cordex™ 1kW

Modular Switched Mode Rectifier

- Available in 21A @ 48VDC
- 1kW power output
- Power limiting and wide range AC input
- 92% efficiency and power factor correction
- Convection cooled
- Hot swappable



CXRC 48-1kW

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 1kW integrated 19" or 23" shelf systems with distribution is ideal for applications with lower power requirements. A compact 4RU design allows five rectifiers plus controller or six rectifiers per 19" shelf for bulk power needs.

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 1kW Modular Switched Mode Rectifier

Rectifier Module(s)

Electrical

Input voltage	
Nominal:	208 – 240VAC
Operating:	176 – 320VAC
Extended:	150 – 176VAC (derated to 75%)
Input frequency:	45 – 66Hz
Power output:	1000W continuous/module
Power factor:	>0.99
Efficiency:	>92%
Output voltage:	40.5 – 58VDC
Output current:	18.5A @ 54VDC (20.8A maximum)
Load regulation:	Static <±0.5%
	Dynamic <±1% for 10% – 90% load step
	2ms recovery time
Line regulation:	Static <±0.1%
	Dynamic <±1% for any change within rated limits
Voice band noise:	<32dBnrc
Wide band noise:	<5mVrms
	<100mVp-p
Psophometric noise:	<1.0mV

Mechanical

Dimensions	
mm:	177H x 71W x 250D
inches:	6.9H x 2.8W x 9.8D
Weight:	3.0kg (6.4lb)

Features

Indicators:	AC mains OK - green LED Module OK - green LED Module alarm - red LED
Cooling:	Natural convection
Adjustments: (via CXC Controller)	Float and equalize voltage Battery test voltage High and low voltage alarms High voltage shutdown Current limit Start delay time Slope %
Protection:	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

Environmental

Temperature	
Operation:	-40 – 50°C (-40 – 122°F) (with short periods up to 70°C/158°F)
Storage:	-40 – 85°C (-40 – 185°F)
Humidity:	0 – 95% RH non-condensing
Elevation:	-500 – 4000m (-1640 – 13120ft)
Heat dissipation:	<295BTU per hour

Shelves

Mechanical

19"/23" shelf:	
Dimensions	
mm:	177H x 544W x 303D
inches:	6.9H x 21.4W x 11.9D
Weight:	10.2kg (22.5lb)
Mounting:	Fits 19" or 23" rack center mount

19" shelf:

Dimensions	
mm:	177H x 444W x 303D
inches:	6.9H x 17.5W x 11.9D
Weight:	7.3kg (16lb)
Mounting:	Fits 19" rack flush mount

Note: Consult factory for other shelf configurations.

Connections

Input:	Dual feed terminal blocks 4 – 6mm ² (12 – 10AWG)
Output:	1/4" studs on 5/8" centers
Chassis ground:	1/4" stud
CAN communication:	RJ 12 offset

Standards

The Cordex 1kW is designed to meet the following:

Safety:	CSA C22.2 No 60950-1-03 UL 60950-1 1 st Edition IEC/EN 60950-1
EMC:	ETSI 300 386
Emissions:	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 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 EN 61000-4-11 ANSI/IEEE C62.41 Cat B3 CE marked
Immunity:	



23" Cordex 1kW Shelf System

For more information visit www.argusdcpower.com

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