CXDF 48-24/2kW

Cordex[™] Series DC-DC Converters



Your Power Solutions Partner

- > DC-DC converter support small to medium 24Vdc loads from a 48Vdc power system
- > High power density modular design, up to 2kW output per module
- > Advanced monitoring and control capability including remote accessibility
- > Internal low voltage shutdown for cost effective integration into existing systems



Cordex DC-DC converters bring advanced technology to the DC power industry. Innovative engineering combines the best in efficiency and reliability meeting a wide array of power requirements. The converter system is a perfect solution for providing 24Vdc output from a standard 48Vdc power system for a variety of dual-voltage system applications including powering of wireless radios.

The fan-cooled CXDF 48-24/2.0kW converter has extremely high density, providing the most power in the least amount of space. Each 19" shelf can accommodate up to 4 compact 2RU modules. The converter system can be controlled and monitored by a central Cordex CXC controller and optionally via a shelf integrated CXCI controller solution for stand alone operation.

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: 012-527-20

ELECTRICAL

Input voltage:	42 to -60Vdc
Input current:	<48A @ 48V (55A max)
Efficiency:	>88% (50 to 100% load)
Input noise:	
Voice band:	<32dBrnC
Wide band:	<10mV RMS to 10MHz
	<150mVp-p to 100MHz
Output power:	2000W max @ 27Vdc (1.8kW @ 24Vdc)
Output voltage:	27Vdc nominal
Output current:	74A max @ 27Vdc
Regulation:	1% +/-0.1% load (static)
	+/- 0.1% line (static)
Output noise:	
Voice band:	<38dBrnC
Wide band:	<20mV RMS to 10MHz
	<150mVp-p to 100MHz
Acoustic noise:	<60dBa @ 1m (3ft)

PERFORMANCE / FEATURES

Indicators:	.Input ok LED (green)
	Output ok LED (green)
	Module fail LED (red)
Adjustments:	.Via CXC controller
Protection:	.Input fuse
	Input inrush current limit
	Output fuse
	Over temperature limiting
	Input high and low voltage shutdown
	Current limit/short circuit protection
Miscellaneous:	. Control and monitoring via CXC controller
	(requires v1.96 min)
	Low voltage cutoff (LVD)

MECHANICAL

Dimensions:

mm:	84H x 100W x 235D
in:	3.3H x 3.94W x 9.25D
Weight:	2.8kg (6.2lbs)

ENVIRONMENTAL

Temperature:40 to 55°C (de-rated power up to 75	°C)
Humidity:0 to 95% NC	

SHELVES

48-24V 4-Mod 19/23" shelf P/N: 030-840-20

>Mechanical

Dimensions:	
mm:	
in:	
Weight:	8.6kg (18.9lbs)

>Performance / Features

CAN bus communication to remote CXC controllers/peripherals Optional integrated CXCI controller

AGENCY COMPLIANCE

Safety:	CSA/UL C22.2 60950 (NRTL)
-	CE IEC/EN 60950
	CE marked
EMI:	Class A radiated
	Class A conducted
	EN 6100-4-2, -3, -4, -6
	GR-1089 (where applicable)
	GR-63

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