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Cordex® HP 1.2kW

Front Access Power System



- High performance power system provides up to 100A capacity @ -48VDC for various small power applications
- High efficiency design for reduced operating expenses
- High temperature rated fan-cooled design for harsh outdoor installations
- Wide range AC input and IEC line cords for multiple AC services and voltages
- Front-access options for space restricted enclosures

Designed specifically for restricted space installations, this 48VDC power and distribution system incorporates reliable -48V, 1.2kW Cordex® rectifier modules and a complete front access design, allowing for all connections in front of the rack channel.

The system is a perfect solution for small 48VDC power applications such as customer premise, xDSL, FTTx, distributed node B and microwave. High efficiency and high temperature operation makes the system ideal for harsh outside plant enclosure installations.

Cordex® High-Performance rectifiers make a proven, reliable platform even better, with significant advancements in efficiency and performance. Featuring a compact, fan-cooled design, HP rectifiers open the possibility to wider ranges of applications and immediate OPEX/CAPEX savings, reducing total cost of ownership and impact on the environment.

The 19/23" universal rack mount power system accommodates up to four Cordex® HP 48V, 1.2kW rectifiers, a modular Cordex® CXCM1 HP controller, with breaker and GMT Fuse distribution in a compact 2RU package.

Cordex® HP 1.2kW 48V Front Access Power System

P/N: 0300165-XXX

Electrical		Environmental
Input Voltage:	176 to 312VAC (nominal) 90 to 176VAC (de-rated O/P power)	Temperature: Standard: -40 to 65°C (-40 to 149°F) Extended: -40 to 80°C (-40 to 176°F) de-rated output
Input Current (per Module):	7.5A max (176 to 300VAC) per module 6.0A max (90 to 176VAC) per module	Storage: -40 to 80°C (-40 to 176°F)
Efficiency:	>93% at 240VAC input and 50-100% load	Humidity: 0 to 95% RH non-condensing
Power Output (Per Module):	1200W (176 to 300VAC input) 600W (110 to 130VAC Input) *Power de-rated linearly from 1200-600W (176 to 130VAC input) *Power de-rated linearly from 600-500W (110 to 90VAC input)	Elevation: -500 to 2800m (-1640 to 9186ft)
Current Output (Per Module):	25A @ 48VDC (176 to 300VAC input) 12.5A @ 48VDC (110 to 130VAC Input)	Cooling: Fan cooled (front to rear) Heat Dissipation: 1182 BTU hour/system max.
Performance / Features		Agency Compliance
Rectifiers:	Cordex® HP 48-1.2kW	Safety: CSA C22.2 No 60950-1-03
Distribution:	Module: • (10) GMT fuse positions • (4) AM plug-in breakers • Battery low voltage disconnect • Battery shunt	CE: EN60950
	Supervisory: CXCM1 HP controller	NEBS: • GR-1089-CORE • GR-63-CORE
Mechanical		
Shelf Dimensions:	mm: 88H x 440W x 305D inches: 3.5H x 17.3W x 12.0D	Related Components
*Note: Rectifier front handle adds additional 12.5mm/0.49" Depth)		
Mounting:	19" or 23" rack, 6" offset (center), EIA rack spacing	010-619-20-041: Cordex® HP 1.2kW 48VDC rectifier
Weight:	Shelf: 4.55kg (10lbs) Rectifier: 1.23kg (2.7lbs)	0180054-001: Cordex® controller CXCM1 HP
		747-622-20-000: Blank plate
		747-082-20-071: 6ft 3/8" Lug temp sensor
		747-028-20-071: 6ft 1/4" Lug temp sensor



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