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# eLimiter+

## 100VA Class 2 Distribution system



- Modular line powering system designed for remotely powering iDAS, WiFi and ONTs in POL applications
- Meets NEC class 2 and communication circuit requirements for limited power circuits
- Dramatically reduces CAPEX costs for deployment and simplifies installation of network equipment requiring remote powering
- Built in DC-DC converter eliminates the need for externally mounted converter devices, significantly reducing network planning and engineering costs
- Industry leading power density, enabling up to 36 channels in a compact 19/23" 2RU footprint
- High reliability, convection cooled design with optional fan tray
- Cordex® CXCi HP system controller provides advanced remote web-based monitoring and control features

**eLimiter+ is a unique, modular line powering solution that meets the NEC requirements for both class 2 outputs and communications circuits.**

The system can be used to distribute -57Vdc in data cable raceways to remotely power network equipment without the need to utilize conduit. This dramatically reduces CAPEX costs for deployment, simplifies installation of equipment and increases overall speed of deployment.

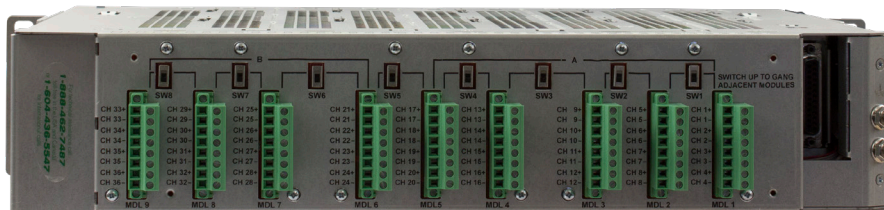
The eLimiter+ Class 2 Distribution system has an option to integrate a fully functional Cordex® CXCi HP controller. The Cordex® controller enables remote monitoring and control of the eLimiter+ system. Remote shutdown of channels and reset of modules within the system are some of the features embedded within the controller.

# eLimiter+ 100VA Class 2 Distribution system

P/N: 0120028-001

Electrical	
<b>Input Voltage:</b>	-40 to -60Vdc
<b>Recommended Breaker Size:</b>	2 x 70A feed
<b>Output Voltage:</b>	-57Vdc
<b>Power:</b>	98W nominal per output ±2W tolerance (4 outputs per module)
<b>Efficiency:</b>	>92%
<b>Regulation:</b>	<2% no load to full load <1% line
<b>Noise:</b>	<b>Wide Band:</b> <50mV RMS (10kHz to 10MHz) <100mV pk to pk (10kHz to 100MHz)
	<b>Acoustic:</b> <60dBa @ 1m (3ft), 55°C
Mechanical	
Quad Output Power Module	
<b>Dimensions:</b>	<b>mm:</b> 386H x 35W x 283D <b>inches:</b> 3.4H x 1.4W x 11.1D
<b>Weight:</b>	0.61kg (1.4lbs)
Shelves	
19" Shelf - 9 Modules - P/N: 0300156-001	
<b>Dimensions:</b>	<b>mm:</b> 88H x 435W x 432D <b>inches:</b> 3.5H x 17.1W x 17D
<b>Weight:</b>	5.45kg (12lbs)
<b>Connections:</b>	<b>Input:</b> HOT: 2x sets, ¼" holes on ⅝" centers RTN: 2x sets, ¼" holes on ⅝" centers <b>Output:</b> 9x 8 posn. Screw door TB (12-26AWG)

Environmental	
<b>Temperature:</b>	<b>Operation with forced air cooling:</b> -40 to 65°C (-40 to 149°F) with minimum cabinet air flow @ 200LFM <b>Operation with convection cooling:</b> -40 to 45°C (-40 to 122°F) single shelf operation only or separated by 1RU baffle
<b>Storage:</b>	-40 to 85°C (-40 to 185°F)
<b>Humidity:</b>	0 to 95% RH non-condensing
<b>Elevation:</b>	-500 to 2800m (-1640 to 9186ft)
<b>Heat Dissipation:</b>	<118 BTU per hour/module
Performance / Features	
<b>Communication Ports:</b>	<b>CAN:</b> Smart Peripherals
	<b>Ethernet:</b> 10/100 Base-T for TCP/IP/SNMP features
<b>Alarm Relays:</b>	Form C major Form C minor Form C fan tray alarm
<b>Tri Color LED:</b>	System ok (green) Minor alarm (yellow) Major alarm (red)
Agency Compliance	
<b>Safety:</b>	CSA/UL 60950-1
<b>EMC:</b>	ETSI 300 386
<b>Emissions:</b>	CFR47 (FCC) Part 15 Class A
<b>Immunity:</b>	EN 61000-4-2, 4-3, 4-4, 4-5, 4-6
<b>NEBS/Telcordia:</b>	GR-1089-CORE, GR-63-CORE
Ordering Information	
<b>CXCI HP Controller:</b>	P/N: 0180053-001
<b>Fan Tray:</b>	P/N: 0300055-002
<b>Air Baffle:</b>	P/N: 0300055-003
<b>Blank, 2 Module:</b>	P/N: 0380070-001
Associated Products Ordering Information	
<b>Aggregator Unit Class 2 Circuit Aggregation Device:</b>	P/N: 00120046-001



Rear panel view



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