



# eLimiter+

## 100VA Class 2 Distribution System

- > Modular line powering system designed for remotely powering iDAS and WiFi network equipment
- > Meets NEC class 2 and communication circuit requirements for limited power circuits
- > Dramatically reduces CAPEX costs 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 2RU footprint
- > Cordex controller provides advanced remote web based monitoring and control features

**P/N: 0300156-001**

### Electrical

<b>Input voltage:</b> .....	-40 to -60Vdc
<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>	
Wide band: .....	<50mV RMS (10kHz to 10MHz) <100mV pk to pk (10kHz to 100MHz)
Acoustic: .....	<60dBa @ 1m (3ft), 55°C

### Mechanical

#### > Quad Output Power Module

##### Dimensions:

mm: .....	386H x 35W x 283D
inches: .....	3.4H x 1.4W x 11.1D
<b>Weight:</b> .....	0.61kg (1.4lbs)

### Shelves

#### > 19" shelf - 9 modules

##### Dimensions :

mm: .....	88H x 435W x 432D
inches: .....	3.5H x 17.1W x 17D
<b>Weight:</b> .....	5.45kg (12lbs)

##### Connections:

Input: .....	HOT: 2x sets, ¼" holes on ⅝" centers RTN: 2x sets, ¼" holes on ⅝" centers
Output: .....	9x 8 posn. Screw door TB (12-26AWG)

### Environmental

#### Temperature:

- Operation with forced air cooling: -40 to 65°C with minimum cabinet air flow @ 200LFM
- Operation with convection cooling: -40 to 45°C single shelf operation only or separated by 1RU baffle

**Storage:** ..... -40 to 85°C

**Humidity:** ..... 0 to 95% RH non-condensing

**Elevation:** ..... -500 to 2800m (-1640 to 9186ft)

**Heat dissipation:** ..... <118 BTU per hour/module

### Performance/Features

#### Communication ports:

CAN: .....	Smart Peripherals
Ethernet: .....	10/100 Base-T for TCIP/SNMP features

#### Alarm relays:

Form C major
Form C minor

Form C fan tray alarm

#### Tri Color LED:

System ok (green)
Minor alarm (yellow)
Major alarm (red)

### Agency Compliance

**Safety:** ..... CSA/UL 60950-1

**EMC:** ..... ETSI 300 386

**Emissions:** ..... CFR47 (FCC) Part 15 Class A

**Immunity:** ..... EN 61000-4-2, EN 61000-4-3  
EN 61000-4-4, EN 61000-4-5  
EN 61000-4-6

**NEBS/Telcordia:** ..... GR-1089-CORE, GR-63-CORE

### Related Components

eLimiter+ module: .....	0120028-001
eLimiter+ shelf : .....	0300156-001
CXCI+ controller: .....	7400232-001
Fan tray: .....	0300055-002
Fan tray replacement: .....	0300055-004
Air baffle: .....	0300055-003
Blank, 2 module: .....	0380070-001