



# Aggregator

- > Aggregates up to eight (8) NEC Class 2 inputs into a single, 48Vdc bulk output
- > When deployed in conjunction with eLimiter™ product family, meets the requirements for Class 2 circuits, even for remote devices that consume more than 100W of power
- > Enables remote powering of iDAS, indoor small cells and WiFi networks
- > Dramatically reduces CAPEX by eliminating the need for conduit and certified electrical technicians
- > Results in lower OPEX by eliminating the requirements for batteries at the remote sites

**P/N: 0120046-001**

## Electrical

**Input voltage:**  
48Vdc Nominal Range: ..... 35 to 60Vdc (x 8 Class 2 Inputs)

**Input power:** ..... 8x 100VA Class 2 inputs: total 800VA max

**Output voltage:** ..... 48Vdc Nominal

**Output power:** ..... ≤800W

**Efficiency:** ..... >98.5%

**Voltage drop Input/Output** : ... 200mV/A nominal

**Insertion Line Loss per channel:**

- 2 channels active: 1.8W / channel
- 4 channels active: 1.6W / channel
- 8 channels active: 1.5W / channel

**Connections:**

Input: ..... 8X 2 pos. plug-in TB, AWG #12-30

Output: ..... 2 pos. plug-in TB, AWG #10-30

Alarm: ..... 3 pos. plug-in TB, AWG #16-28

Chassis Ground: ..... Accept ¼" - 5/8" center to center, dual hole terminal lug, maximum width 0.7" (18mm)

## Mechanical

**Dimensions:**

mm: ..... 43.6H x 275W x 224.8D

inches: ..... 1.72H x 10.83W x 8.85D

**Weight:** ..... 2.7kg (6lbs)

## Environmental

**Temperature:**

Forced air cooling: ..... -40 to 65°C with minimum cabinet air flow @ 200LFM

Convection cooling: ..... -40 to 45°C single shelf operation only or separated by 1RU spacing

**Storage:** ..... -40 to 85°C

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

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

**Heat dissipation:** ..... <37.5 BTU per hour

## Performance/Features

**MTBF:** ..... >400,000 @ 30°C ambient; test model Telcordia SR-332, Issue 2 (2006)

**Alarm relays:** ..... Form C contact  
Triggered if any channel opens

**Alarm indicating LEDs:** .. 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

**NEC:**  
Input circuits need to be compliant to NEC article 725 (CEC article 16-200) requirements for class 2 power limited circuits and need to be supplied from the eLimiter™ product family

**Isolation:**  
2250Vdc electrical isolation between output and earth/chassis (compliant with IEEE 802.3 at standard to meet PoE+ isolation requirement)

## Related Products

**Ordering Information**

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