



an EnerSys® company

4 Port Aggregator

Class 2 Circuit Aggregation Device



- Aggregates up to four NEC Class 2 inputs from an eLimiter+ module into a single 48Vdc bulk output
- When deployed in conjunction with Alpha's eLimiter+ modules, meets the requirements for Class 2 circuits, even for remote devices that consume more than 100 Watts of power
- 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

For iDAS, indoor small cell and WiFi network equipment that consume more than 100 Watts of power, the 4 Port Aggregator safely enables remote line powering over copper cable.

By combining the unit with Alpha® eLimiter+ modules, the 4 Port Aggregator meets the requirements for NEC Class 2 safety, enabling service providers to use conventional cable to remotely power the equipment. Class 2 compliance eliminates the need for conduit, licensed electricians and remote batteries, significantly improving the business case for the service provider.

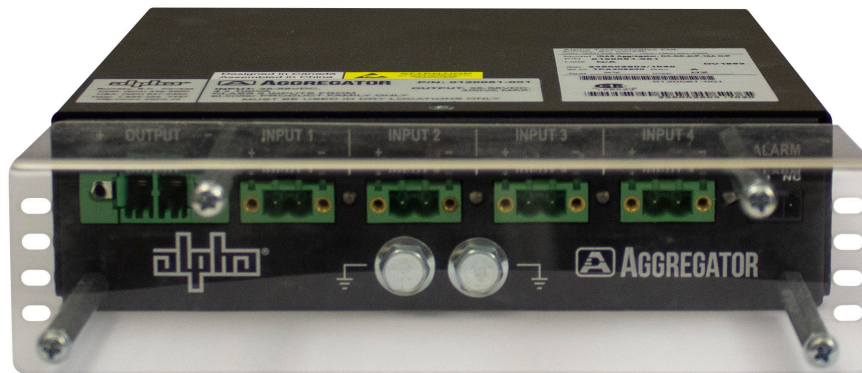
The 4 Port Aggregator can terminate up to four NEC Class 2 circuits, combining them into a single 57VDC bulk output of up to 400 Watts. The unit is extremely compact, and can wall mounted (front, bottom, or rear mount). It is a true front access device with all the user connections residing on the front face plate of the unit.

4 Port Aggregator Class 2 Circuit Aggregation Device

P/N: 0120081-001

Electrical	
Input Voltage:	48Vdc Nominal Range (x4 Class 2 Inputs)
Output Voltage:	48Vdc Nominal
Output Power:	≤400W
Efficiency:	>98%
Voltage Drop Input/Output:	200mV/A nominal
Line Insertion Loss:	<ul style="list-style-type: none"> • 2 channels active: 1.8W per channel • 4 channels active: 1.6W per channel
Connections:	Input: 4x 2-position plug in terminal block (12-30AWG) Output: 1x 2-position plug in terminal block (10-30AWG) Alarm: 1x 3-position plug in terminal block (16-28AWG) Chassis Ground: Accepts 1/4" - 3/8" center to center, dual hole terminal lug, max width 0.7" (18mm)
Mechanical	
Dimensions:	mm: 43.2H x 167W x 224.8D inches: 1.7H x 6.57W x 8.85D
Weight:	1.2kg (2.6lbs)

Environmental	
Operating Temperature:	Convection cooling: -40 to 45°C (-40 to 122°F) single unit operation only or separated by 3" spacing in all dimensions Forced air cooling: -40 to 65°C (-40 to 149°F) with minimum cabinet air flow of 200LFM
Storage:	-40 to 85°C (-40 to 185°F)
Humidity:	0 to 95% RH non-condensing
Elevation:	-500 to 2800m (-1640 to 9186ft)
Heat Dissipation:	<24 BTU per hour
Performance/Features	
Alarm Relays:	Form C contact
Alarm LEDs:	<ul style="list-style-type: none"> • System OK (green) • Minor Alarm (yellow) • Major Alarm (red)
Agency Compliance	
Safety:	CSA/UL/IEC 62368-1 Edition 2.0 (2014)
EMC:	ETSI EN 300 386
Emissions:	FCC CFR 47, 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, EN 61000-4-8
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 eLimiter+ modules.	
Isolation: 2250Vdc electrical isolation between output and earth/chassis (compliant with IEEE 802.3 at standard to meet PoE+ isolation requirement)	



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