POE367
Power Supply/Charger Board

Overview:
Altronix POE367 provides 360W for NetWay Spectrum switches with 1Gb SFP ports. It converts 208-277VAC nominal (+10-15%), 50/60Hz input into a 56VDC output at 6.4A of continuous supply current (see specifications). It also features a built-in charger for sealed lead acid or gel type batteries.

Specifications:

Input:
- 208-277VAC nominal (+10-15%), 50/60Hz, 2A.

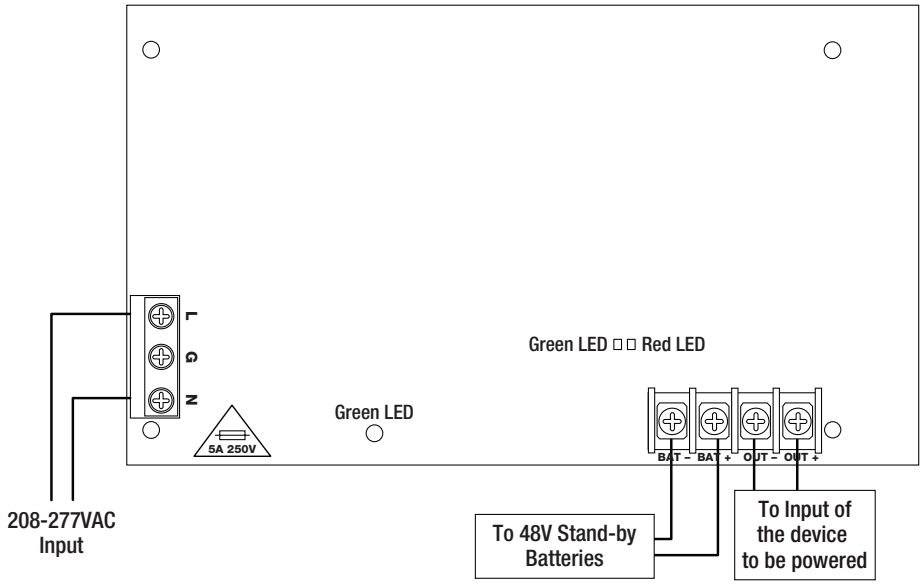
Output:
- 56VDC/360W output.
- 6.4A continuous supply current.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

Battery Backup:
- 48VDC charging circuit charges sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- Includes battery leads.

LED Diagnostics:
- AC and DC LED Indicators.

Environmental:
- Operating Temperature (De-Rating):
  360W: – 30ºC to 65ºC (– 22ºF to 149ºF)
  240W: – 30ºC to 70ºC (– 22ºF to 158ºF)
- Storage Temperature:
  – 30ºC to 85ºC (– 22ºF to 185ºF).
- Relative Humidity: 85% +/– 5%.

Fig. 1



Board Dimensions (L x W x H approx.)**:** 7.75" x 4.5" x 1.375" (196.9mm x 114.3mm x 34.9mm).

Installation Instructions:
POE367 should be installed in accordance with The National Electrical Code and all applicable Local Regulations.
1. Mount POE367 in the desired location/enclosure (mounting is hardware included). Pay attention to correct positioning of the board, depending on Altronix product being serviced.
2. Connect AC power from overcurrent protective device circuit breaker (16A @ 208-277VAC, 50/60Hz) to the terminals marked [L, N] on power supply board *(Fig. 1)*. Use 14AWG or larger for all power connections (Battery, DC output, AC input).
   CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment.
   There are no user serviceable parts on unit. Refer installation and servicing to qualified service personnel.
3. Measure output voltage before connecting devices. This helps avoiding potential damage.
4. Connect devices to be powered to the terminals marked [OUT – OUT +].
5. When the use of stand-by batteries is desired, they must be sealed lead acid or gel type. Connect four (4) 12VDC or two (2) 24VDC batteries wired in series to terminals marked [BAT – BAT +] (*Fig. 1)*, carefully observing polarity (battery leads are included). When batteries are not used, a loss of AC will result in the loss of output voltage.

Terminal Identification:

Terminal Legend	Function/Description
L, G, N	Connect 208-277VAC nominal (+10-15%), 50/60Hz to these terminals: L to Hot, N to Neutral.
OUT – OUT +	56VDC @ 6.4A continuous supply current.
BAT – BAT +	Stand-by battery connections.

LED Diagnostics:

LED	Power Supply Status
Green (High Voltage Side)	**Solid:** normal I **Blinking:** Low AC I **Flashing:** critical failure
Green (Low Voltage Side)	**Solid:** normal I **Blinking:** No AC
Red (Low Voltage Side)	**Solid:** powered by battery I **Blinking:** battery low

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