



# PoE60

## Power Supply/Charger Board

### Overview:

Altronix PoE60 provides 75W for NetWay Spectrum switches with 1Gb SFP ports. It converts 115VAC, 60Hz or 230VAC, 50Hz input into a 56VDC at 1.3A of continuous supply current (see specifications). It also features a optimized built-in charger for Lithium Iron Phosphate type batteries.

Fig. 1

### Specifications:

#### Input:

- Universal Input 115VAC, 60Hz, 2.5A or 230VAC, 50Hz, 1.3A.

#### Output:

- 56VDC/75W output.
- 1.3A continuous supply current.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

#### Battery Backup:

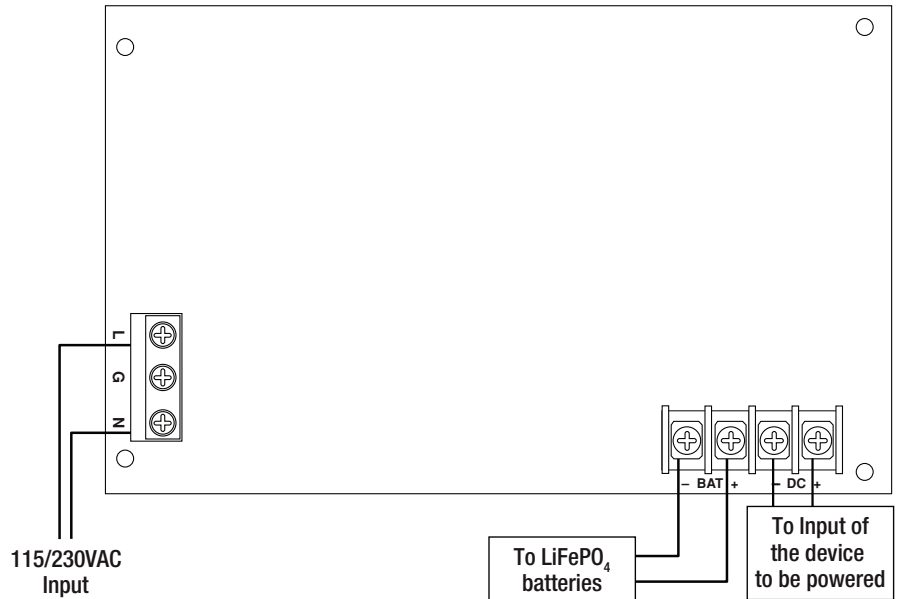
- Built-in charger for Lithium Iron Phosphate type batteries.
- Automatic switch over to stand-by battery when AC fails.

#### Features:

- Input voltage selection switch.
- Includes battery leads.

#### Board Dimensions (L x W x H approx.):

7" x 4" x 1.375" (177.8mm x 101.6mm x 34.9mm).



### Installation Instructions:

PoE60 should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount PoE60 in the desired location/enclosure.  
Pay attention to correct positioning of the board, depending on Altronix product being serviced. Mounting hardware included.
2. Set PoE60 to the proper AC input voltage via input voltage switch (Fig. 1).
3. Connect AC power from overcurrent protective device circuit breaker (20A @ 115VAC, 60Hz, 16A @ 230VAC, 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).

**Keep power-limited wiring separate from non power-limited wiring (115VAC/230VAC 50/60Hz Input, Battery Wires).**

**Minimum 0.25" spacing must be provided.**

**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.**

4. Measure output voltage before connecting devices. This helps avoiding potential damage.
5. Connect devices to be powered to the terminals marked [- DC +].
6. When the use of stand-by batteries is desired, they must be Lithium Iron Phosphate (LiFePO<sub>4</sub>) type batteries.  
Connect batteries to the terminals marked [- BAT +] (battery leads included).
7. 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 115VAC/230VAC to these terminals: L to Hot, N to Neutral.
- DC +	56VDC @ 1.3A continuous supply current.
- BAT +	Stand-by battery connections. Maximum charge rate 0.7A.

Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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