Altronix®

RE2 / RE2R
Rack Mount Battery Enclosure

Overview:
Altronix RE2/RE2R Rack Mount Battery enclosure offers a convenient way to house up to four (4) 12VDC/7AH batteries in a rack configuration.

Specifications:

- Battery output PTCs rated @ 12A.
- Four (4) individual sets of battery power terminals (external).
- 2U rack mount chassis for use in standard EIA 19" rack.

- RE2 - Black enclosure
- RE2R - Red enclosure

Installation Instructions:

1. Mount RE2 / RE2R in desired rack location.
2. Remove front access panel by rotating thumb screws counterclockwise *(Fig. 2, pg. 2)*.
3. Place desired number of sealed lead acid or Lithium Iron Phosphate (LiFePO$_4$) rechargeable batteries in each slot on the bottom of enclosure [BAT1] - [BAT4] *(Fig. 2, pg. 2)*.
4. Connect battery terminals to each pair of Red [+] and Black [–] battery leads that correspond to terminal blocks [BAT1] - [BAT4] (carefully observe polarity).
5. Replace the front access panel by rotating thumb screws clockwise *(Fig. 2, pg. 2)*.
6. Connect charging circuit from single power supply or multiple power supplies in desired configurations [BAT1] - [BAT4] terminals located on the rear of the RE2 enclosure (carefully observe polarity) *(Fig. 1a through Fig. 1e, pgs. 1 & 2)*.

Fig. 1
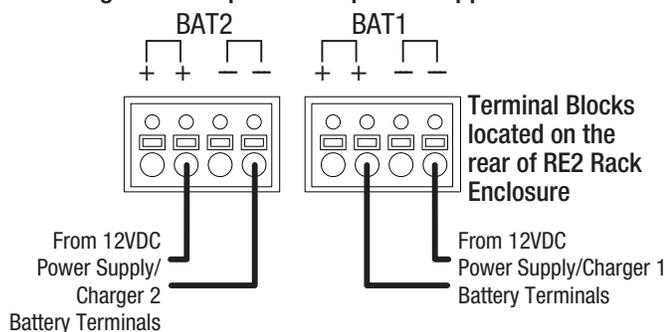*Fig. 1a* - **Single or multiple 12VDC power supplies.**

Terminal Blocks located on the rear of RE2 Rack Enclosure

From 12VDC Power Supply/ Charger 2 Battery Terminals

From 12VDC Power Supply/Charger 1 Battery Terminals

Fig. 1b - **Single 12VDC power supply (parallel connection).**

Terminal Blocks located on the rear of RE2 Rack Enclosure

From 12VDC Power Supply/Charger Battery Terminals
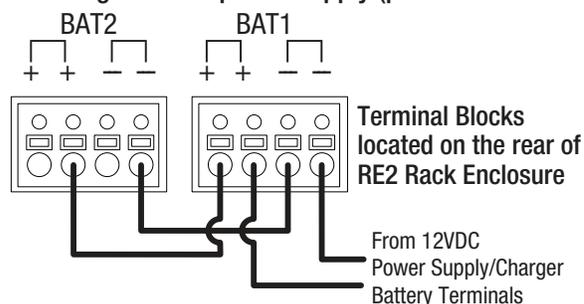
Fig. 1c - **Single or multiple 24VDC power supplies (series connection).**

Terminal Blocks located on the rear of RE2 Rack Enclosure

From 24VDC Power Supply/Charger 2 Battery Terminals
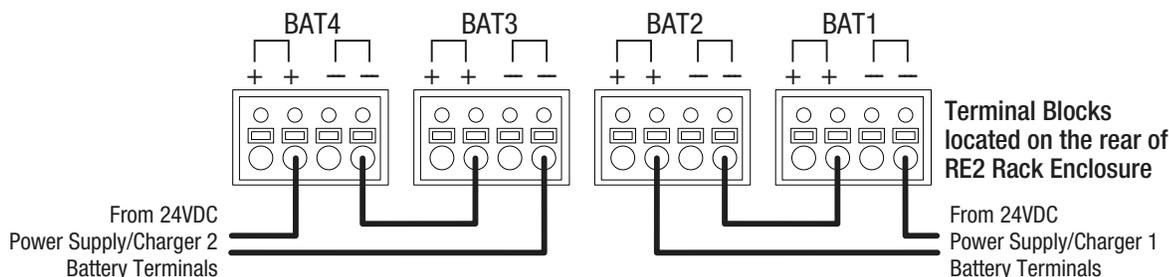
From 24VDC Power Supply/Charger 1 Battery Terminals

Fig. 1d - **Single 24VDC power supply (series parallel connection).**

Terminal Blocks located on the rear of RE2 Rack Enclosure

From 24VDC Power Supply/Charger 1 Battery Terminals
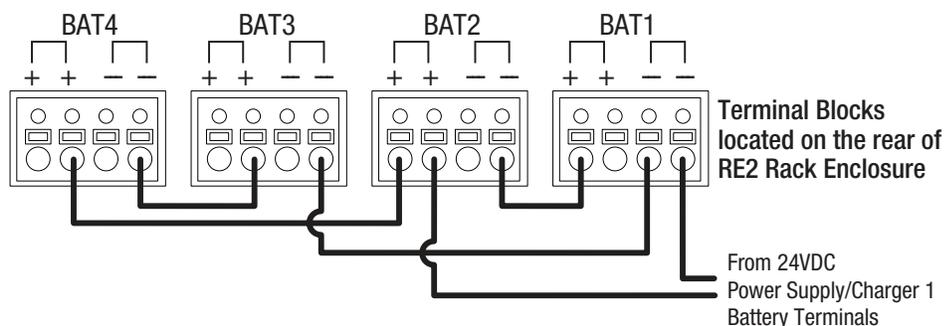
Fig. 1e - **Single 48VDC power supply (series parallel connection).**

BAT4   BAT3   BAT2   BAT1

Terminal Blocks
located on the rear of
RE2 Rack Enclosure
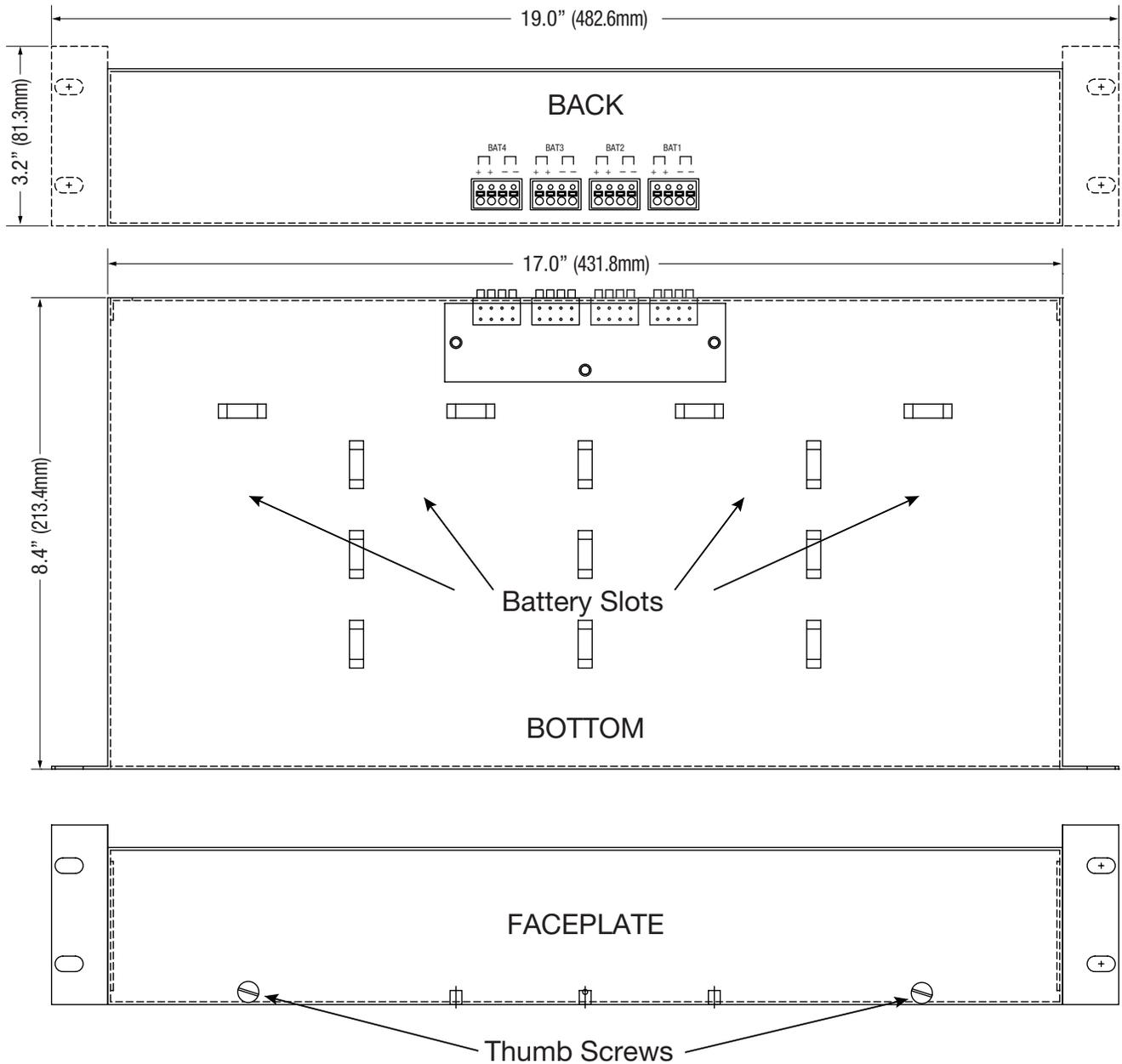
From 48VDC
Power Supply/Charger 1
Battery Terminals
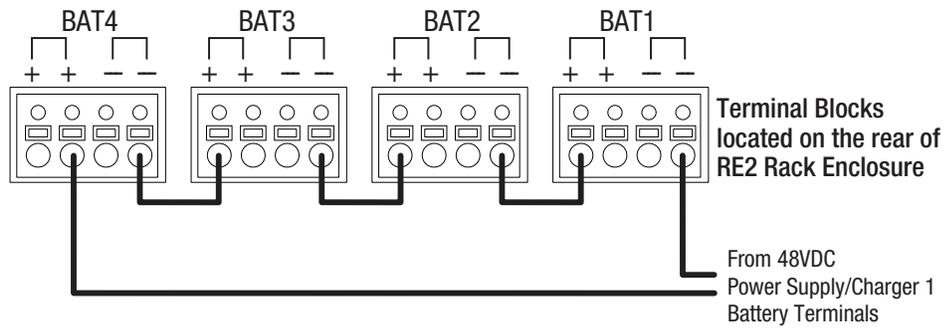
Rack Mechanical Drawing and Dimensions (H x W x D):
3.25" x 19.125" x 8.4" (83mm x 486mm x 216mm)

Fig. 2

19.0" (482.6mm)

3.2" (81.3mm)

BACK

BAT4 BAT3 BAT2 BAT1

17.0" (431.8mm)

8.4" (213.4mm)

Battery Slots

BOTTOM

FACEPLATE

Thumb Screws

SIA
MEMBER