



Power is knowledge.™

# RBE - Rackmount Battery Enclosure Installation Manual

## LifeSafety Power®

---



## FLEXPOWER®



LifeSafety Power, Inc. | PH 888.577.2898 | [TechSupport@LifeSafetyPower.com](mailto:TechSupport@LifeSafetyPower.com)

## Description

The RBE Rackmount Battery Enclosure will hold up to four (4) 12 volt, 7 or 8 amp hour batteries. The batteries can then be interconnected in various forms to create 12 and/or 24 or 48 volt battery sets for single or dual voltage applications.

### **⚠ CAUTION**

*Incorrect connection may cause system damage.  
Fully loaded battery weight is heavy. Install and support the RBE chassis appropriately.*

- ◆ Mounts up to four (4) 7 or 8Ah batteries such as:
  - ◆ PowerSonic PS1270
  - ◆ PowerSonic PS1280
  - ◆ EnerSys NP7-12
  - ◆ B&B BP7-12
  - ◆ B&B BP7.5-12
  - ◆ B&B BP8-12

## Ordering

Model No.	Description
RBE	Rackmount Battery Enclosure

## Overview

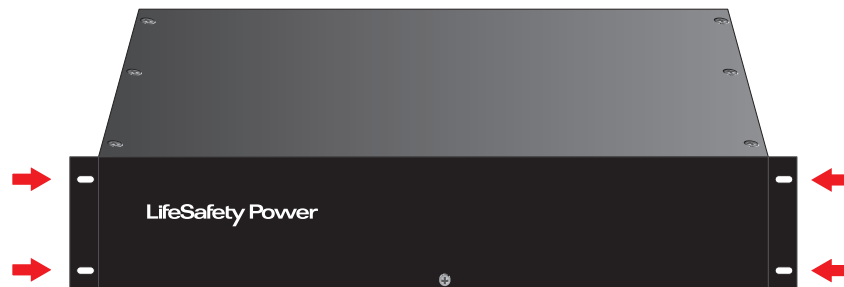
- 2U height fits in standard EIA 19 inch rack
- Holds up to four (4) 12 volt, 7-8 Ah batteries
- Removable rear terminal blocks for 12 to 22 AWG
- Configure output voltage from rear panel
- Insulated interior battery terminals
- Enclosure dimensions: 3.4"H x 14"D x 19"W
- Weight 12 lbs.

## Mounting the RBE Rack Mount Battery Enclosure into a Standard 19" Rack

Use the following procedure when mounting the RBE into a standard EIA 19" equipment rack.

1. Ensure any internal configuration (voltage selection, fault detection settings, etc) are complete before mounting.
2. Securely mount the included ears to the enclosure sides using the eight included 6-32 countersunk screws (four per ear).
3. Locate the rack-mounting holes in the ears of the enclosure. (Figure 1)
4. Slide the enclosure into an open 2U location in the rack
5. Center the enclosure in the rack and secure with the four 10-32 x 3/4" screws provided.

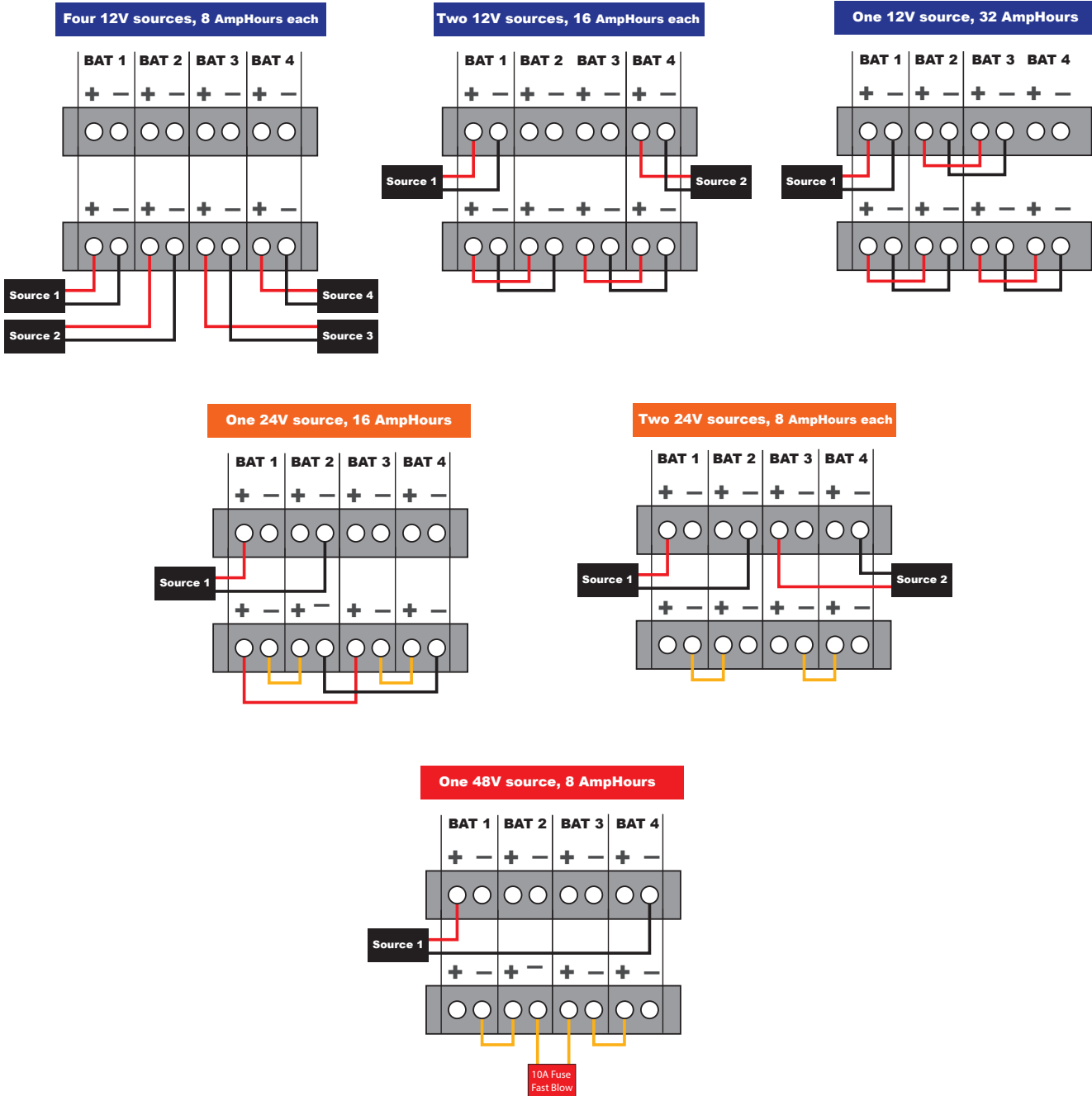
**⚠ CAUTION** Use rails or other appropriate support for heavy enclosures. Keep heavier components near the bottom of the rack to reduce the risk of toppling of a top-heavy rack.





## RBE Backpanel Battery Configuration Terminals

Connect jumpers as shown on lower terminal strip to configure batteries. Batteries are protected by an internal 9 ampere PTC.



## RBE Battery Configuration Guide

Battery 1	Battery 2	Battery 3	Battery 4	Available Output	Available Output	Battery 1, 2 Configuration	Battery 3, 4 Configuration
12V				12V@8Ah		NA	
12V	12V			12V@16Ah		Parallel	
12V	12V			24V@8Ah		Series	
12V	12V	12V		12V@24Ah		Parallel	
12V	12V	12V		12V@8Ah	24V@8Ah	NA	Series
12V	12V	12V	12V	12V@32Ah		Parallel	
12V	12V	12V	12V	24V@16Ah		Series	Series
12V	12V	12V	12V	12V@16Ah	24V@8Ah	Parallel	
12V	12V	12V	12V	12V@16Ah	24V@8Ah	Parallel	Series

### IMPORTANT

All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their particular application. LifeSafety Power makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. LifeSafety Power's only obligations are those in the LifeSafety Power Standard Terms and Conditions of Sale for this product, and in no case will LifeSafety Power or its distributors be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Specifications are subject to change without notice. In addition, LifeSafety Power reserves the right to make changes—without notification to Buyer—to processing or materials that do not affect compliance with any applicable specification.