



# Integrated Battery Rack

- **Ideal for Use With OutBack Radian and FLEXpower Systems**
- **28.8 kWh in One Box**
- **Fast Installation**
- **Supports Three 48 Volt Strings of OutBack EnergyCell RE AGM Deep Cycle Front Terminal Batteries with High Capacity and High Cycling Performance**
- **Overcurrent Protection on Each Battery String for Added Safety and Flexibility**
- **Well-Ventilated for Increased Battery Safety and Longevity**
- **Protective Terminal Covers**
- **Space Saving Design with Small Foot Print**
- **Designed to Meet UL1741**
- **ISO Registered 9001**



As the demand for renewable energy increases, the needs of system integrators and installers are rapidly evolving as well. OutBack is responding by engineering its acclaimed line of balance-of-system components into preassembled systems to give installers the best of both worlds: OutBack quality in a more easily specified and installed package.

The OutBack Integrated Battery Rack system is a comprehensive battery enclosure solution with cell interconnects, cabling, and series string overcurrent protection and disconnects included, making it easy to order and install. All electrical connections are made at the factory and ship fully assembled with the exception of the batteries, which can be quickly added and connected on the jobsite.

Unlike typical steel racks, the OutBack design is crafted of powder coated aluminum, resulting in a rack that maintains a clean, durable appearance even in challenging environments while weighing less than 90 pounds. Clear covers allow for visual inspection while providing additional protection for the batteries and electrical connections. The rack can accommodate up to twelve (12) EnergyCell RE batteries and supports 48 volt systems.

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# Integrated Battery Rack Specifications

|                                      | <b>IBR-3-48-175</b>   |
|--------------------------------------|---|
| <b>Dimensions H x W x D (in/cm)</b>  | 48.6 x 27.0 x 24.4 / 123.4 x 68.6 x 61.9  |
| <b>Weight (lbs/kg)</b>               | 89 / 40.4 without batteries   |
| <b>Physical</b>                      | 0.125-inch thick aluminum enclosure with FLEXware silver finish; plated copper bus bars and clear protective covers. Ships fully assembled (except for batteries) |
| <b>String Overcurrent Protection</b> | 175 Adc   |
| <b>Gauge of conductors</b>           | 1/0 AWG   |
| <b>Capacity</b>                      | Up to twelve (12) EnergyCell RE batteries   |
| <b>Nominal System Voltage</b>        | 48 Vdc  |
| <b>Supported batteries*</b>          | EnergyCell 200RE, EnergyCell 170RE  |

Batteries are sold separately

As part of OutBack Power's policy of continuous research and improvement, all features and specifications are subject to change.



The OutBack Integrated Battery Rack System (left) is designed to support grid-interactive and off-grid renewable energy systems. It is ideal for use with OutBack's Radian Series Inverter/Charger (center) and FLEXpower fully pre-wired inverter systems (far right).

Available From:



**Corporate Office:**  
5917 195th St. NE  
Arlington, WA 98223 USA  
Phone: (360) 435.6030  
Fax: (360) 435.6019

**European Office:**  
Hansastrasses 8  
D-91126  
Schwabach, Germany  
Phone: +49. 9133.79889.0  
Fax: +49.9122.79889.21

**Asia Office:**  
Suite 1903, 19/F., Tower 1  
33 Canton Road, Tsun Sha Tsui  
China Hong Kong City, Kowloon  
Hong Kong  
Phone: +852.2736.8663  
Fax: +852.2199.7988

**Latin American Office:**  
15105 Cedar Bluff Pl.  
Wellington, FL 33414 USA  
Phone: (561) 792.9651  
Fax: (561) 792.7157