Integrated Battery Racks

Comprehensive Battery Enclosure Solution with Cell Interconnect

IBR-2

IBR-3

- Ideal for Use with OutBack Radian, FLEXpower and FLEXcoupled Systems
- Fast Installation
- Supports Multiple 48V Strings of OutBack EnergyCell RE, GH and Nano-Carbon Batteries
- Overcurrent Protection on Each Battery String Provides Added Safety and Flexibility
- Well-Ventilated for Increased Battery Safety and Longevity
- Protective Terminal Covers
- Space-Saving Design with Smaller Footprint
- Designed to Meet UL1741

With the PV energy storage market expected to reach nearly $30 billion USD by 2017* and interest growing for smarter grid-interactive and AC-coupled systems, the demand for more versatile, flexible and cost-effective battery-bank deployment solutions for commercial and residential systems is increasing as a result.

OutBack Power has responded with a line of preassembled battery racks designed to meet the needs of system integrators and installers and provide the best of both worlds: OutBack quality in a more easily specified and installed package.

The innovative OutBack Integrated Battery Rack system is a comprehensive battery enclosure which includes all cell interconnects, cabling, and series string over current protection and disconnects. 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 job site, making the Integrated Battery Rack uniquely easy to specify, order and install.

Unlike typical steel racks or sheet-metal enclosures, the OutBack design is crafted of powder coated aluminum, resulting in a cleaner appearance able to withstand the most challenging environments– while weighing less than 90 pounds. The 2-shelf IBR-2 is sized to fit under an OutBack Radian inverter/charger to reduce system component "clutter" and make the best use of installation space. Clear covers on the racks permit visual inspection of internal components while providing additional protection for the batteries and electrical connections.

*IHS Research 2013 report, "The Potential for Energy Storage in the PV Industry"

Integrated Battery Rack Specifications

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Models:	IBR-2-48-175	IBR-3-48-175
Dimensions H x W x D (in/cm)	33 x 27 x 24.5 / 83.8 x 68.6 x 62.2	48.6 x 27 x 24.5 / 123.4 x 68.6 x 62.2
Weight w/out Batteries (lb/kg)	60 / 27	89 / 40.4
Physical Characteristics	0.125-inch thick aluminum enclosure with FLEXware silver finish; plated copper bus bars and clear protective covers. Ships fully assembled (except for batteries)	
String Overcurrent Protection	175ADC	175ADC
Gauge of Conductors	1/0 AWG	1/0 AWG
Capacity	Up to 8 EnergyCell batteries	Up to 12 EnergyCell batteries
Nominal System Voltage	48VDC	48VDC
Supported Batteries*	EnergyCell 200RE, EnergyCell 170RE, EnergyCell 200GH, EnergyCell 220GH, EnergyCell 200NC and EnergyCell 170NC	

*Batteries are sold separately

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