BC-2500 Modular Float Battery Charger & Power Supply

Common Applications: Utility, switchgear, process control, & other industrial applications

Product Description
The BC-2500 is a Float Battery Charger and Power Supply based on a modular, redundant platform design. It utilizes high availability with uptime architecture. Available in 480W or 400W with hot-swappable Intelligent Power Modules (iPMs) which are available at the following ratings:

- 24 VDC, 400 W, 10 A (Max), 10 A (Rated)
- 48 VDC, 480 W, 10 A (Max), 8.5 A (Rated)
- 130 VDC, 480 W, 4 A (Max), 3.5 A (Rated)

Multiple iPMs in a single chassis provide redundancy (N+1, N+2, etc.) and will continue to operate if the user interface module (UIM) fails. This ensures reliability for high availability/uptime applications. The BC-2500 features industrial construction and is available in 4 or 8-slot chassis options. The BC-2500 is compatible with vented lead-acid (VLA), valve regulated lead-acid, and nickel-cadmium (Ni-Cd) battery types.

Product Features
- Industrial switch mode (high frequency) technology
- AC/DC powered UIM for continued operation without AC
- Heavy-duty construction for ruggedness and reliability
- Natural convection cooled (no fans)
- Conformal coated circuit boards for moisture protection
- Optional ground fault detection with adjustable trigger level (130 and 48 VDC)
- High energy efficiency of > 93% at 240 VAC and > 91% at 120 VAC and full load
- Low DC output ripple - battery eliminator option standard
- Universal AC input: 100 – 240 VAC, 50 – 200 Hz
- Positive and negative ground fault alarms
- Battery temperature compensation with controlled limits
- Alarms can be individually enabled/disabled, assigned a delay, assigned a priority, and assigned to the Form C dry contact summary alarm relay
- AC input and DC output circuit breakers
- Ethernet for local access to logging data, and programming
- SNMP alarming and NTP date/time sync via Ethernet
- Full AC input and DC output protection
- UL 1012 and cUL/CSA equivalents (pending)
- CE certified (pending)
- Digital amp/volt meter included standard on all units
- Factory set, custom charger profiles available for large volume opportunities

iPM (Intelligent Power Module)
- Modular component of the BC-2500
- Multiple iPMs in a single charger offer redundancy
- Hot swappable

Web-Based Software
- Internal web server uses a modern, responsive framework for attractive display on smart phones and tablets
- Access on any desktop PC or laptop via web browser
- View all measured parameters in real-time
- Log up to 10,000 history records, downloadable to a CSV file
- Ethernet communication standard for field or remote monitoring
## Float Battery Chargers

### BC-SERIES

### Ordering Information

<table>
<thead>
<tr>
<th>No.</th>
<th>Model #</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>BC-2500</td>
<td>Modular Float Battery Charger &amp; Power Supply: 24, 48, or 130 VDC. <strong>Includes Standard:</strong> 30 ft remote temp. sense cable, 30 ft remote voltage sense cable, high interrupt breakers, mounting rack.</td>
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