

GBS 3rd Generation Battery LFMP-200AH

December 1st, 2010

New 3rd Generation 200Ah Lithium-Ion Battery Now Available

Elite Power Solutions is pleased to announce the initial availability of our newest battery. This is the first of our 3rd generation LiFeMnPO₄ GBS batteries.

- What are the advantages to these cells?

The positive and negative terminals on these cells are placed on opposite ends of the cell. This makes the current density more uniform within the cell to prevent current crowding near the terminals. This increases the performance and reduces the chance of premature aging due to hot spots within the battery. Not only does this result in lower internal resistance, but greater high current performance and superior cold weather performance.

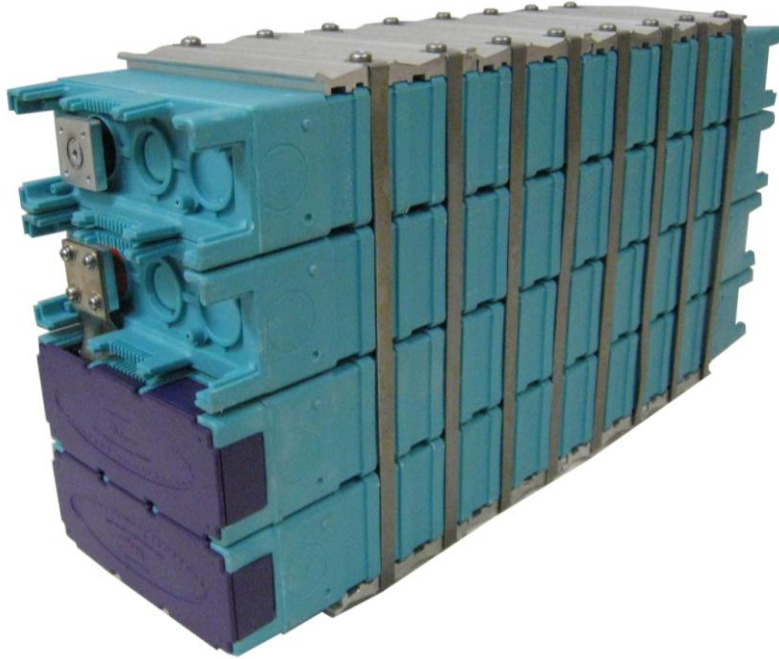
Officially rated for 3C continuous discharge, lab testing has shown that these cells can deliver 100% of rated capacity when continually discharged at 4.5C.

At -20°C (-4°F) these cells are capable of delivering 90% of their rated capacity (1C discharge).

- Safety

LFMP-200AH Cells utilize a patented dual safety valve design which can safely withstand any abusive conditions. Tests have been done to confirm that these cells will not explode or catch fire during any of these tests. These include penetration with a steel rod (a dead internal short), crushing, short circuiting, dropping, over charging, over discharging and extremely high and low temperature storage.

Large terminals have 4 screws or rivets. This design reduces the possibility of a loose connection and eliminates the possibility of a loose connection rotating.



A 4-cell pack of GBS LFMP-200AH cells for a 12.8 volt nominal pack. Mass of this pack is 24.9 Kg or 55.0 Lbs.



Elite Power Solutions, LLC.
21411 N 11th Ave
Suite 3
Phoenix, AZ 85027
www.ElitePowerSolutions.com

E: Sales@ElitePowerSolutions.com
P: 602-316-8743