Flat Plate Motive Power Batteries
“F” Series Battery

Design Features and Benefits
• Designed to deliver reliable, consistent power on demand
• Unique positive grid design for better electron flow
• Maximized conductivity through improved paste formation
• Designed for rigorous and heavy day-in and day-out operations
• Five-fold plate insulation holds active material in place for longer battery life
• Heavy duty design for opportunity and rapid charge applications
• Improved separator design that helps reduce mossaing and minimizes plate exposure

Applications
• Forklifts
• Pallet Jacks
• Automated Guided Vehicles

User Replaceable Bolt-On Cable Connections
• Cone & thimble bolt easy on/off design
• Eliminates the need for battery technician replacement saving time and money
• Allows facility personnel to make immediate repairs to cut or torn cables 24/7 eliminating downtime
• Increases safety since connectors and contacts can be replaced while the cables are not connected to a live battery

Acid-Resistant Powder-Coated Epoxy Steel Battery Trays
• Resists corrosive effects from acid
• Provides protection from voltage leakage to the truck
• Coated on all inner and outer surfaces for complete protection

Optional Electrolyte Indicator
Ultra-reliable electrolyte-level Indicator with green blinking light and single wire connection

Flip-top Vent Caps
• Fast, easy filling, low spill and fewer missing caps which can allow leakage and corrosion
• Compatible with all water level indicators

Clear No-Freeze Tubing
Enables view of water flow and surplus water drains into cells after filling is complete

Optional Single-Point Watering System
Can fill an entire battery in less than 30 seconds

Optional Single Point Filling System
THE DIFFERENCE IS IN THE CELL

**POSITIVE GRID**
Thirteen vertical wires are cast from premium antimonial alloy and designed to withstand the rigors of deep cycling and maximum material retention.

**ACTIVE MATERIAL**
Manufactured with premium lead oxide to exact specifications using the latest state-of-the-art equipment, applied uniformly and cured under atmospherically computer controlled conditions to assure optimum chemical conversion.

**VERTICAL SLYVER-CLAT MAT**
Wrapped vertically around the positive plate, the fiberglass strands become embedded into the plate surface for active material retention, reducing shedding and prolonging service life.

**NEGATIVE EDGE PROTECTION**
Used to ensure against shorts from the negative plate to the positive cell strap. (Used on 85 AH and 125 AH models.)

**HORIZONTAL GLASS MAT**
Wrapped horizontally across the positive plate side to side, it supplies a secondary layer of active material retention, and breaks up oxygen gas bubbles produced at the surface of the positive plate. Protects against shorts from the negative plate to the positive cell strap.

**KOROSEAL RETAINER MAT**
Perforated envelope that is tightly wrapped around the two glass mats to form a binder while insulating against mossing and shorting. Wrapped vertically around the positive plate, the fiberglass strands become embedded into the plate surface for active material retention, reducing shedding and prolonging service life.

**SLEEVE SEPARATOR**
A high porosity sleeved separator insulates the plates from one another and eliminates missing or misaligned separators. This greatly reduces shorts caused by mossing. Acid circulation is also improved.

9002, UL 583 E, EOE, EE approvals