

DIN Tubular Motive Power Batteries

Low Maintenance and Extended Watering Intervals

Design Features and Benefits

- High capacity tubular constructed design for longer run time
- Optimized energy density to allow high capacity in high rate and cold storage applications
- Longer run times between charging intervals
- Hadi High pressure die cast positive splines resist corrosion which improves battery life (Dense grain structure of tubular grid using pressure die casting)
- Computer designed negative plate provides more efficient current flow to increase performance
- Uniform distribution of active material and weight is achieved through a wet filling process which enhances plate uniformity



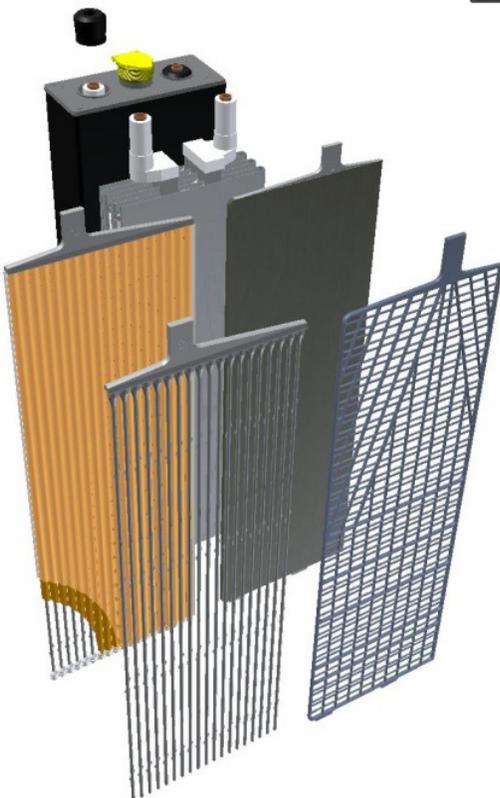
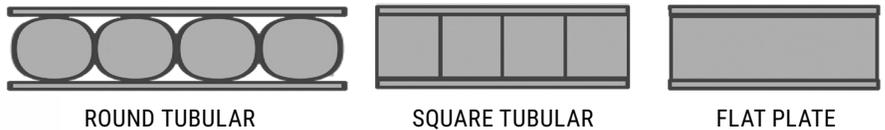
Cells built according to DIN IEC 60254-1

Applications

- Forklifts
- Pallet Jacks
- Automated Guided Vehicles

Greater Acid Circulation

SBS's round tube design has greater acid circulation than square tube or flat plate positive plates. The round tube allows it to retain its shape as the plate expands during discharge.



Other Features and Benefits

- Round tubular gauntlets provide superior resistance to active material shedding
- Fully enveloped separators reduce the chance of short circuiting
- Rubber terminal bushings absorb impact and shock
- 1" thick posts with brass insert which connects to a highly conductive copper cell connector that allows for greater operating and charging current loads; ideal for opportunity and rapid charge applications
- Completely insulated copper cell connectors prevent short circuiting and have far less voltage leakage to the truck, this is especially important in higher voltage vehicles
- Acid resistant bolt on cell connectors and cables allow for field replacement of cells and cables by in-house maintenance or field personnel
- Powder coated epoxy steel trays



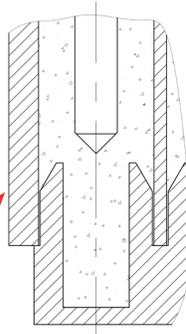
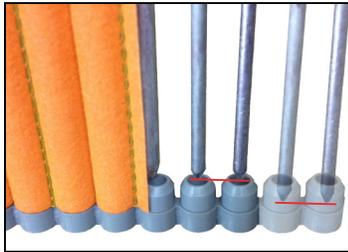
9002, UL 583 E, EOE, EE approvals

Pull Resistant Cables

Special Features

Bolt On Connector

- Raised rubber bushing keeps connector from direct contact with electrolyte, reducing corrosion
- Fully insulated bolt-on connector reduces voltage leakage to ground which affects higher voltage systems
- Bolt-on connection forms water-tight seal



Positive Plate Design – Bottom Bar

- Specially-designed bottom boot allows for positive plate growth during heavy use without loss of material
- Tube is ultrasonically welded to bottom bar
- Longer plastic piece on bottom bar allows for growth of positive spine into bottom bar's cavity during opportunity charging
- Result is longer service life, especially when opportunity charged

Battery Watering

Battery Watering Benefits

- **Flip top vent caps** for easy filling



Optional Electrolyte Indicator

Ultra-reliable electrolyte level indicator with green blinking light and single wire connection



Optional Single-Point Watering System