Unique Design Features and Benefits

- **Higher energy density** than flat plate positive plate constructed batteries means better performance
- Greater surface area optimizes active material utilization which allows for **higher voltages under load**, resulting in superior performance in high rate and cold storage applications
- Hadi High pressure die cast positive splines resist corrosion which is superior to gravity cast flat plate construction and improves battery life (Dense grain structure of tubular grid using pressure die casting)
- **Uniform distribution of active material** and weight is achieved through a wet filling process which enhances plate uniformity
- Round, non-woven tubular gauntlets provide superior resistance to active material shedding
- Fully enveloped separators reduce the chance of short circuiting
- 1” sediment space to prevent short circuits
- Rubber terminal bushings absorb impact and shock on rough floors

High Capacity Tubular

When you require the maximum run time out of your battery, you can rely on the SBS high capacity tubular Z-series battery.

Multi plate thin separator technology allows for more positive and negative plates than a conventional cell.
- No decrease in watering space above the plates
- The thin separator technology coupled with the superior round tube design provides unhindered electrolyte circulation

Greater Acid Circulation

- SBS round tube 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

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

Applications

- Forklifts & Material Handling
- 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

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 & 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 Sealed Tray
- If the occasional dripping fluid which arises from overwatering or washing poses a contamination or housekeeping issue or if electrical equipment is located directly under the battery compartment, SBS can provide a sealed tray option.
- Instead of excess fluids draining from the bottom of the battery, excess fluid can be suctioned out through a vertical tube located between the battery cells.

Air Mix System
- this system works by circulating air from a pump into the bottom of each cell via a tube to mix electrolyte while on charge preventing stratification and leading to faster recharging times.

9002, UL 583 E, EOE, EE approvals