

# High Capacity Tubular Batteries

## High Performance and Maximum Runtime

High Capacity Tubular Batteries provide high performance, maximum run time, and long life. Unique design features provide higher capacity without sacrificing battery cycle life, while maintaining normal watering intervals.

Non-woven tubular sleeving helps to increase productivity while maximizing performance.

Modern tubular design maximizes the active lead materials and delivers optimized energy.

The latest separator design delivers increased acid volumes and increases acid circulation.



### Design Features and Benefits

- Higher energy density than flat plate positive plate constructed batteries results in superior performance
- Industry leading AH capacities ranging from 105-150 AH versus the standard 85-125 AH
- Greater surface area optimizes active material utilization allowing higher voltages under load, especially benefiting high rate and cold storage applications
- Hard high pressure die cast positive splines resist corrosion which improves battery life and outperforms gravity cast flat plate construction (dense grain structure of tubular grid using pressure die casting)
- Uniform distribution of active material and weight achieved through a wet filling process which enhances plate uniformity
- Round, non-woven tubular gauntlets provide greater resistance to activate material shedding
- Fully enveloped separators reduce the chance of short circuiting
- 1" sediment space to prevent short circuits

### Greater Acid Circulation

- Round tube design has greater acid circulation than square tube or flat plate positive plates

### Applications

- Forklifts and Material Handling
- Pallet Jacks
- Automated Guided Vehicles
- Cold Storage



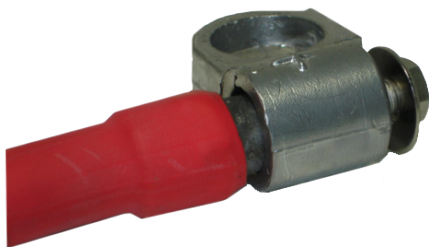
Round Tubular



Square Tubular



Flat Plate

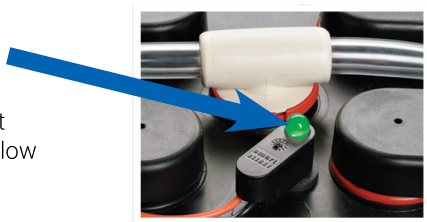


### Bolt-On Cable Connections

- Cone & thimble bolt easy on/off design

### Optional Electrolyte Indicator

Reliable electrolyte-level Indicators let you know when electrolyte levels are low



### Optional 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



Optional Single-Point Watering System

