



Motive Power Product Line



Batteries



Flat Plate Batteries – F Series

- Designed for the rigors of heavy day-in and day-out operation as well as opportunity and rapid charge applications
- Heavy duty positive plate design provides longer life and added resistance to corrosion
- Five-fold plate insulation holds active material in place for longer battery life (F Series)
- The FR Series provides all the benefits of the F Series but utilizes a four-wrap plate system



Standard Tubular Batteries

- Higher energy density than flat plate positive plate constructed batteries means better performance and maximum run time
- Greater surface area optimizes active material utilization which allows for higher performance under load



High Capacity Tubular Batteries

- Higher energy density than flat plate positive plate constructed batteries means better performance and maximum run time
- Unique design features allow for higher capacity without sacrificing service life or increasing watering frequency, resulting in superior performance in high rate and cold storage applications



DIN & BS Standard Tubular Plate

- High capacity tubular design for high cycle applications and maximum run time performance
- Fully insulated bolt-on connectors provide superior resistance to voltage leakage damage
- Increased serviceability in the field
- Reduced watering frequency



AGM & Gel Tubular Sealed Lead Acid Batteries

- Batteries are sealed using special pressure valves making each battery completely maintenance-free with no watering required
- No hydrogen gas generation under normal use due to its internal gas recombination design
- Ideal for food, healthcare, and pharmaceutical applications

Lithium Batteries

- Custom designed for Forklift, Pallet Jack and Automated Guided Vehicles
- Ideal for opportunity/rapid charge applications
- Equipped with high performance battery management technology (BMS controllers) to optimize runtime and performance



Battery Pack with Built in Charger

- Available in Flooded, AGM and Gel technology
- Convenient 110 Volt plug-in charger
- Low maintenance and maintenance-free options
- Constructed of epoxy-coated steel, Plastisol-coated steel or heavy duty plastic



AGV Batteries

- For AGV applications ranging from 12 to 360 Volts and from 10 to 1300 ampere hours
- Flooded lead-acid, Ni-Cad fibre plate, Ni-Cad sintered, Ni MH and Lithium battery chemistries

Battery Features

Every SBS Battery is handcrafted from start to finish by a team of highly skilled craftsmen with an average tenure of over 12 years.

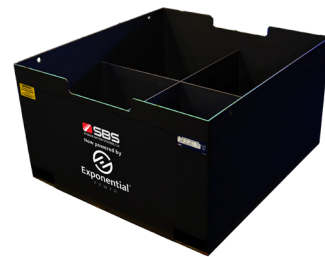


User-Replaceable Bolt-On Cable Connections

- Easy on/off cone and thimble bolt-on cable design
- Eliminates need for a skilled battery service technician to replace, saving time and money
- Allows facility personnel to make immediate repairs to cut or torn cables 24/7, eliminating downtime
- Increased safety, since connectors and contacts can be replaced while the cables are not connected to a live battery

Battery Trays

- Heavy steel construction with reinforced lifting ears
- Standard: acid-resistant epoxy powder coating on all inner and outer surfaces
- Optional: all-plastic, corrosion-resistant battery boxes for select sizes



Pull-Resistant Cables

- Eliminate costly cable damage caused from insulation pulling away from the DC contacts on each cable
- Improves safety by preventing potentially explosive accidental short circuits

Flip Top Vent Caps

- No charge option
- Faster filling of the battery
- Cleaner and drier battery cell covers
- Fewer lost or missing caps which allow leakage and eventual corrosion



Data Loggers/Remote Monitoring

Charger Control Interface & Data Loggers

Remote Monitoring



BID/BMU



TOBi PI Wi-z



Power Logger Wi-z
Portable Data Logger



Equipment Management
Transponders & Software

9002, UL 583 E, EOE, EE Approvals

Battery Options & Accessories

Battery Watering and Monitoring Options



Single Point Filling Systems – These systems can fill batteries in as little as 15-30 seconds, which typically result in system paybacks of 12 months or less.



Electrolyte Level Indicator – Ultra-reliable, blinking green LED light indicates electrolyte level is good, and a red blinking LED indicates battery needs water.

Battery Handling

- Portable battery charging equipment
- Battery stands
- Battery changing systems and cranes
- Battery washing equipment



Battery Chargers

- SBS will recommend the best charger to meet your requirements
- Conventional chargers
- Ferroresonant chargers
- Controlled ferroresonant chargers
- SCR chargers
- Opportunity, rapid, high frequency chargers
- Switch mode high frequency chargers

Battery Service

Purchase and Lease

- Rent-to-own
- Guaranteed buy back for leases
- Lease packages tailored to your needs

Maintenance

- Full maintenance and watering programs
- Preventative maintenance
- On-site training
- Battery inspections
- Condition reports

Environmental

- Assistance with yearly chemical reporting
- Disposal of spent batteries per state and EPA requirements