

FBP-1000 Series eGSE Lithium Batteries

Overview

FBP-1000 is a comprehensive product line of battery solutions designed to meet the cost, performance, efficiency, and durability requirements of the rugged airport environment. It includes application-specific cell chemistry and intelligent battery management electronics. FBP-1000 series battery systems are high cycle life maintenance free solutions for industrial vehicles with fully customizable features to fulfill the most demanding requirements. The drop in replacement batteries make upgrading from Lead Acid to Lithium simple. The batteries are sized to fit the standard motive power lead acid battery, along with meeting the truck battery weight requirements. From 5kWh to 80kWh, Green Cubes Technologies has batteries ready for the application.

Features

Ease of Use

- Charge ports or single point battery connection replicates today's lead acid without special truck or charger modifications
- Configurable dot matrix battery discharge indicator provide critical battery information along with errors or other important runtime data
- No Maintenance
 - No Watering
 - No Equalization Charging
 - No Battery Washing Needed

Flexible Design for Optimized Truck Applications

- Green Cubes Custom Battery Management System (BMS) can be adjusted for different performance based upon the application
- High Current Equipment with Accessories
- Extreme Low Temperature Storage Operations
- High Cycle Opportunity Charging
- Fully ballasted battery for heavy counterbalance trucks or non-ballasted batteries for light application

Safety & Protection

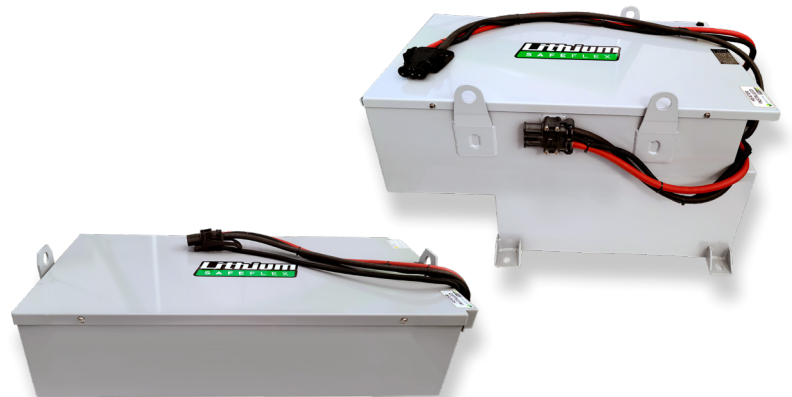
- Higher safety Lithium Iron Phosphate chemistry cells utilized in the battery systems
- Voltage, Current, and Temperatures are continuously monitored by Green Cubes Technology's custom Battery Management System (BMS) which controls the internal safety contactors or disconnect fuse.
- Constructed from UL approved components.

Benefits

- High Cycle Life
- True Fast Charge/ Opportunity Charge
- No Maintenance
- Drop In Lead Acid Replacement

Energy Savings

- Recharge efficiency of 98% or higher helps save electricity and also reduce damaging effects of heating the batteries
- Improvements in runtime capacity efficiency of 10% or higher
- Weekly Equalization charges are not required



GSE Applications

Pushbacks (Conventional and Towbarless) ■ Baggage Tractors
Cargo Loaders ■ Belt Loaders ■ Transporters ■ Lav and Water Trucks

Flexible Battery Pack (FBP) Series GSE Lithium Batteries Popular Models

Model	Voltage	Lithium Capacity	Battery Weight	Battery Dimensions
FBP-1227	80	420 Ah	1474 kg	104.14 x 68.58 x 76.2 cm
FBP-1371	80	840 Ah	532 kg	123.19 x 50.8 x 77.47 cm
FBP-1485	80	420 Ah	522 kg	91.44 x 62.23 x 72.39 cm
FBP-1500	80	525 Ah	272 kg	180.34 x 57.15 x 38.1 cm
FBP-1524	80	315 Ah	362 kg	82.55 x 63.5 x 77.47 cm
FBP-1546	80	315 Ah	xxx	90.17 x 44.45 x 77.47 cm
FBP-1548	80	315 Ah	xxx	111.76 x 31.75 x 53.34 cm

Green Cubes can pull from hundreds of completed battery designs to configure an optimized Li-ion battery solution for a wide range for Ground Support Equipment. Our battery solutions can also be customized for specific installation and application requirements.

ABOUT GREEN CUBES TECHNOLOGY

Green Cubes Technology develops and manufactures a complete portfolio of lithium power systems that enable our OEM and enterprise customers to transition from Lead Acid and Internal Combustion Engine (ICE) power to Lithium-ion battery power. We utilize proven hardware and software platforms to build the most reliable lithium battery systems in our industries. With over 300 employees across six countries, Green Cubes has been producing reliable, high performance and high quality products for over 30 years.

For more information, email info@greencubes.com
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