

# FBP-1000 Series Motive Power Lithium Batteries

## Overview

FBP-1000 series Lithium SafeFlex 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 Ground Support Equipment (GSE) battery weight requirements. From 5kWh to 35kWh, Green Cubes Technologies has batteries ready for the application.

## Features

### Ease of Use

- Single point battery connection replicates today's lead acid without special Ground Support Equipment 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!

## 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.

For more information, email [info@greencubestech.com](mailto:info@greencubestech.com)  
or visit [greencubestech.com](http://greencubestech.com)

## 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

## 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 Ground Support Equipment with Accessories
- Low Temperature Storage Operations
- High Cycle Opportunity Charging
- Fully ballasted battery for heavy counterbalance Ground Support Equipment or non-ballasted batteries for light applications

## Benefits

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

## Applications

- Ground Support Equipment
- Industrial Electric Vehicles
- AGV (Automated Guided Vehicle)
- Fork Lifts/ Pallet Trucks