



# LITHIUM SOLUTIONS GROUND SUPPORT

Helping you save up to **65%** on equipment  
operating costs over 10 years.



# TEN-YEAR COST COMPARISON

Lithium SAFEFlex can save you up to 65% on forklift battery expenditures over five years, depending on your cost variables. Below is a typical five-year breakdown.

	Purchases Over 10 Years	Battery Cost	Maintenance	Electricity Waste	Installation	Shipping
Lithium SAFEFLEX	Purchase		N/A	N/A		
LEAD ACID	Purchase					
	Purchase					

## YOUR NEXT STEP

Our engineers can help you identify areas of your operation where Lithium SAFEFlex can make the most impact, based on how you use your fleet:

- 1 We'll compile your cost data to provide a proof of concept. Our analysis will cover number of vehicles, number of shifts, charging information, and major improvements you'd like to see.
- 2 Once a cost model achieves your target, we'll provide a trial system with monitoring software to validate the savings.





## Not all lithium batteries are created equal.

For over 30 years, Green Cubes Technology has helped OEMs safely convert from lead acid systems to the right lithium technologies for their operations. Among the many providers of lithium solutions, we stand apart for our precision-engineered conversions of hand tools, electric vehicles, hospital systems and telecom towers. Our reputation and years in the business stand behind us to keep us innovating and driving ahead.

### Revolutionary technology for your airport operations

Lithium SAFEFlex is a comprehensive, self-managed battery solution designed to meet the cost, performance, efficiency and durability requirements of the rugged airport environment. It includes application-specific cell chemistry, charge/discharge management, and advanced safety features such as thermal, short circuit, overvoltage and undervoltage protection. All can be remotely controlled and managed through included software.

# Lithium SAFEFlex powers your operations **longer**, for **less**.

**2X**  
LONGER  
LASTING

Lithium SAFEFlex boasts a cycle life of up to three times that of lead acid batteries while delivering a consistent output—from installation to the end of its stored capacity. Lead acid systems lose power and operating efficiency over their short cycle life, leading to increased operating cost with decreased performance.



**LONGER**  
RANGE

Thanks to its advanced, compact technology, Lithium SAFEFlex allows you to retrofit up to four times the energy in the space occupied by lead acid batteries.





## 30% HIGHER CHARGING EFFICIENCY

Lithium SAFEFlex chemistry allows for 98% or higher charging efficiency, which is an average 30% more efficient than lead acid charging technologies— allowing for increased productivity and less power consumption overall.

## NO MAINTENANCE HASSLE

Lithium SAFEFlex solutions are electronically monitored and balanced through their internal BMS module and do not emit dangerous gases or require watering.

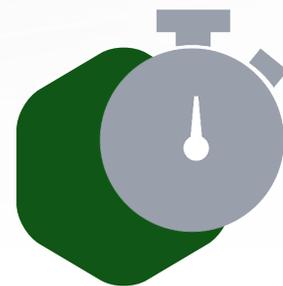


## REGENERATIVE POWER

Lithium SAFEFlex captures up to 80% more regenerative energy than lead acid systems— avoiding energy waste and providing longer run times with less frequent recharging.

## FASTER CHARGING

Lithium SAFEFlex advanced chemistry allows complete recharge in one hour with NO degradation. Lead acid batteries can degrade by 50% if “opportunity charging” is done twice per day.





**PORTABLE  
POWER**



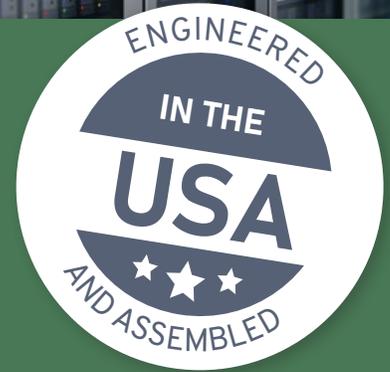
**MOTIVE  
POWER**



**NETWORK  
POWER**

## 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.



## CONTACT US

To find out more about powering your operation with Lithium SAFEFlex, visit [greencubestech.com](http://greencubestech.com) or contact us.

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