



**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 [greencubes.com](http://greencubes.com) or contact us.

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**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 GSE battery expenditures over ten years, depending on your cost variables. Below is a typical ten-year breakdown.

	Purchases Over 10 Years	Battery Cost	Maintenance	Electricity Waste	Installation	Shipping
<b>Lithium SAFEFlex</b>	Purchase	10x \$100	N/A	N/A	10x \$50	10x \$20
<b>LEAD ACID</b>	Purchase	10x \$100	10x \$50	10x \$50	10x \$50	10x \$20
	Purchase	10x \$100	10x \$50	10x \$50	10x \$50	10x \$20

## Not all lithium batteries are created equal.

For over 30 years, Green Cubes Technology has helped enterprise customers and OEMs safely convert from lead acid systems to the optimal lithium technologies for their operations. Among the many providers of lithium solutions, we stand apart with our compatibility with existing chargers and equipment, product quality, and post-sales technical support.

### REVOLUTIONARY TECHNOLOGY FOR YOUR RAMP

Lithium SAFEFlex is a comprehensive, self-managed battery solution designed to meet the cost, performance, efficiency and durability requirements of the rugged warehouse 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.



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.



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.

