

FLUX[®] POWER

ADVANCED LITHIUM-ION TECHNOLOGY

Your Business Can Experience

30% More Energy Efficiency!

40% Lower Cost of Ownership!

3x Longer Life!

2.5x More Productivity

Lithium-Ion Power for

Material Handling



Solutions for

- Pallet Jacks
- Walkie Stackers
- Airport Ground Support
- Ride-On Forklifts
- Narrow Isle Forklifts
- End Riders

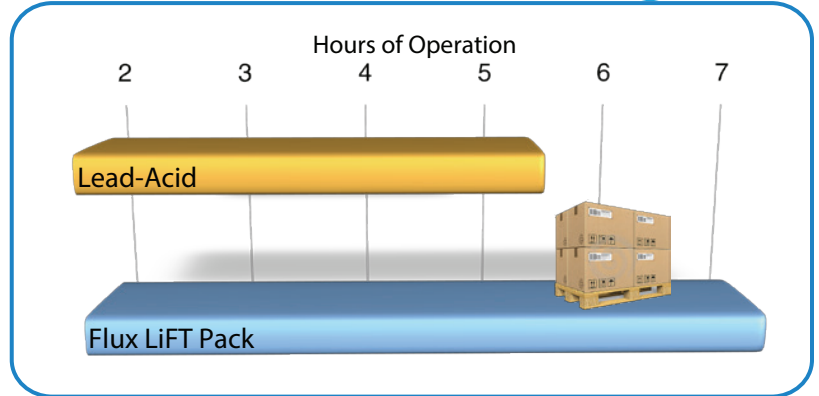
Why Lithium-Ion?

Transforming the Industry

Lithium-ion (Li-ion) batteries are creating a paradigm shift in the material handling industry. The longer runtimes, longer lifespan, fast charge capability, and reduced cost of ownership make adoption of this technology an easy decision. Not only do the benefits of Li-ion increase productivity, they also decrease carbon footprints and provide significant cost reduction.

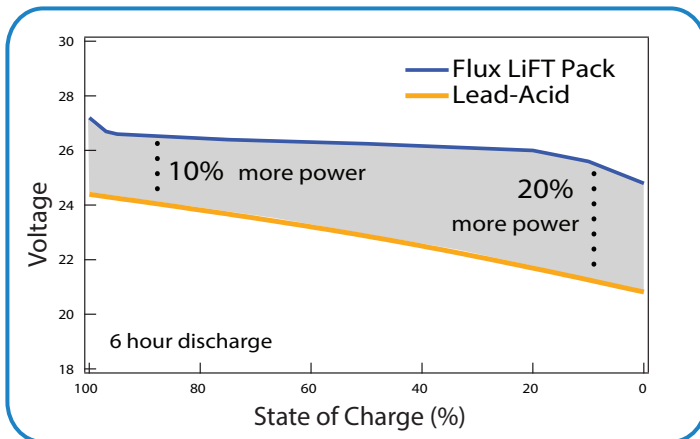
Experience **runtime increases of up to 45%** over similarly rated (amp-hour) lead-acid batteries. In addition LiFT Packs get an amazing 2000 cycles at 80% depth of discharge, outlasting the competition in every way.

OUTLASTS



Li-ion provides longer runtimes compared to lead-acid

OUTPERFORMS



Higher Sustained Flat Discharge Voltage compared to lead-acid

Performance Advantage

The flat discharge curve and high sustained voltage means equipment runs faster and never gets sluggish. In addition a **1 hour fast charge capability** eliminates the need for battery swapping, increasing productivity.

Environmentally Friendly

Li-ion batteries contain no toxic lead or acid, and don't release explosive gases when charging. Flux Power tested the battery efficiency vs. lead-acid by moving 200 pallets weighing 2,500 lb each. The LiFT Pack used **30% less energy!** Save money while reducing your carbon footprint and improving productivity.

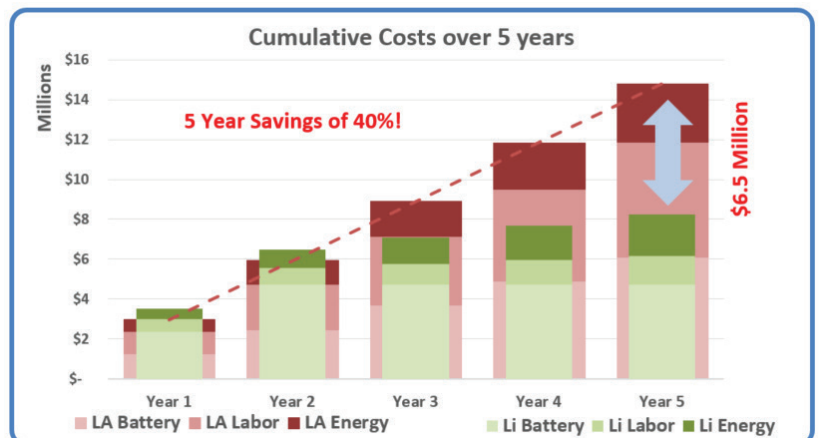
Lower Cost of Ownership

Lithium-ion has a higher upfront cost, but can have a dramatic effect on the bottom line over time. A recent customer estimated savings of 40% over lead-acid due to:

- No Maintenance
- 3x Longer Cycle Life
- 30% Reduction in Energy Usage

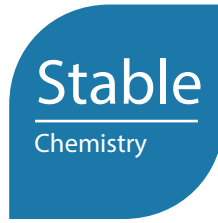
Costs break even after 2 years, or by the time you're purchasing a replacement lead-acid battery for your pallet jack.

LOWER COST \$\$\$



Savings Analysis performed by Flux Power and major food distributor.

Flux Power Advantage



Proven Experience

Flux Power is an experienced leader in lithium-ion technology. Our real world industry experience comes from:

- 9 years of commercial Li-ion experience,
- 5 years of material handling experience,
- 2,000 LiFT Packs in the field,
- Dealer & Distributor Network
- Nationwide Training Program
- Nationwide Support Network
- Experienced Technical Support

Tested and Certified

- UL Tested and Certified
- OEM Tested and Approved
- UN 38.3 Tested and Certified
- Safety Features
 - Main power fuse
 - Protective breaker
 - Dual over-voltage protection
 - Dual temperature protection
 - Stable Chemistry



Safer than Lead-Acid

The third party testing performed on Flux LiFT Packs makes them one of the safest batteries available.

- The fuse and breaker protect from damage in the event of a short circuit.
- The BMS protects the cells from over-charge and over-temperature operation.
- Redundant backup systems ensure fail safe operation.
- Extensive shock and vibration testing in all 6 orientations.
- No dangerous gas generation during charging.

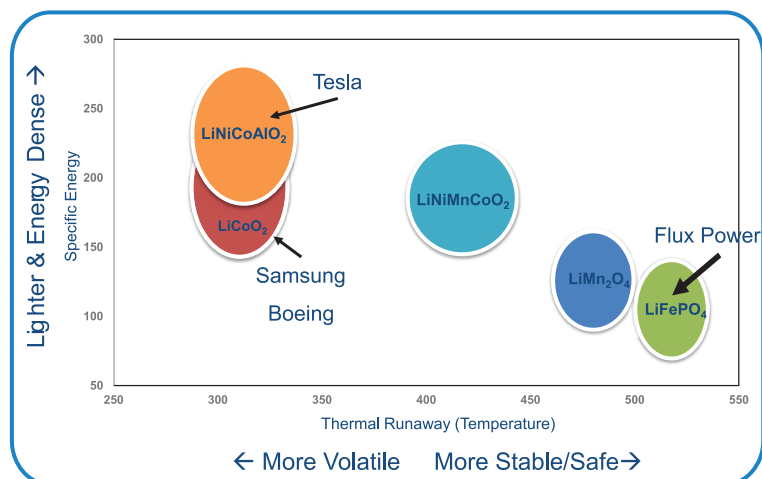
Dangerous situations from electrical shorts, high temperatures, acid spills, and explosive gas generation are no longer a problem. The robust design, UL Listing and chemical makeup of our batteries make them among the safest in the industry.

Lithium-Ion Chemistry Matters

There are a number of lithium-ion chemistries to choose from. Flux Power uses one of the safest most robust Li-ion chemistry available, lithium iron phosphate (LiFePO_4). It:

- is more stable,
- provides longer cycle life,
- has high abuse tolerance.

Material handling requires safe durable batteries, which is why we chose Lithium iron phosphate. It is one of the most thermally stable and safe chemistries commercially available.





Lithium-Ion Solutions for:



Pallet Trucks



Class 2 Forklifts



Class 1 Forklifts



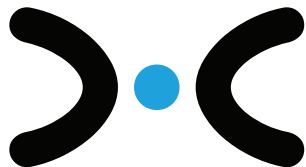
End Rider



Airport Support

FLUX[®] POWER

Let Flux Power help you join the lithium-ion revolution today!



Thank you for your interest in Flux Power.

If you have any questions please call or email. Our knowledgeable staff is ready to assist you.

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