

# LITHIUM-ION SOLUTIONS

**TOTAL**  
WAREHOUSE

*Linde*  
Material Handling



# POWERING TOMORROW WITH THE LIMITLESS POTENTIAL OF LITHIUM-ION

The material handling business is tough. With rising costs, tighter schedules, and unexpected demands, you need equipment that's always ready to go. Efficiency is a must. So is saving money. Old energy systems can't keep up. The world's industries are swiftly going electric, and for good reasons.

From warehouses to logistics, the demand for efficient energy solutions is higher than ever. That's where Linde lithium-ion (Li-ION) batteries step in.





## EMBRACING THE FUTURE WITH LINDE LI-ION

Li-ION technology is not just a step forward; it's a leap into the future for organizations and logistics centers. Linde solutions bring a new level of operational excellence to these environments. They're not just about meeting the demands for power – they're about exceeding them with unmatched efficiency and heightened safety.

This is where the tangible benefits of our technology truly shine, revolutionizing how organizations operate and setting new standards for industrial efficiency and safety.

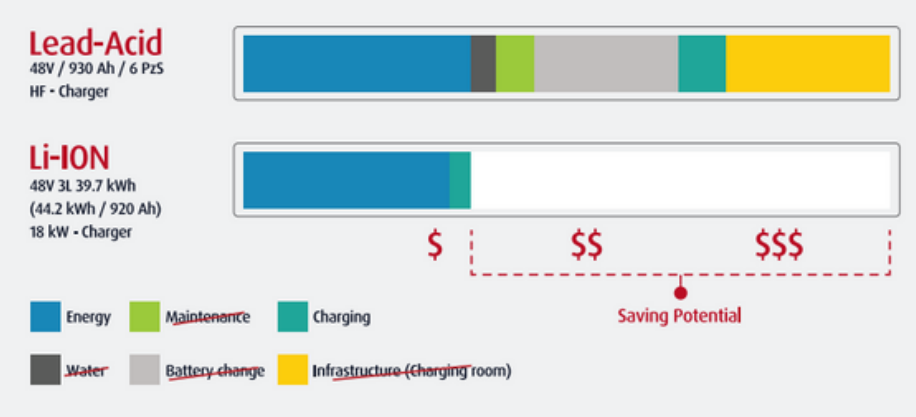


# Efficient Savings

## CHARGING AHEAD IN SAVINGS

Operating a warehouse involves significant manpower and continually rising costs. To tackle these challenges head-on, Linde steps in with Li-ION batteries.

More than just meeting daily demands, this solution is a powerhouse for the long haul. It's about making a smart switch to an energy system that really carries its weight, effectively and economically.



30%  
MORE ENERGY EFFICIENT



### Long-Term Savings

With up to 30% more energy efficiency than traditional batteries, Li-ION isn't just a short-term solution; it's a long-term economic strategy. This superior efficiency reduces operational costs, while minimal maintenance requirements and a significantly longer lifespan further drive down expenses. Increased usable capacity and greater truck availability amplify your fleet's operational potential, delivering comprehensive cost savings.



### Reduce Downtime with Flexible Charges

Li-ION tackles the toughest schedules with rapid recharge capabilities. In under an hour, they're fully charged, slashing downtime dramatically. Need a quick power top-up? Just a 15-minute break is enough to keep your operations humming without a hitch. And with its user-friendly, plug-and-play setup, your equipment is always ready to go, ensuring seamless performance day in and day out.

UP TO  
2,500  
CHARGE CYCLES

### Lasting Durability, Minimal Maintenance

Designed for longevity, our batteries withstand the test of time. They offer up to 2,500 full charge cycles while maintaining at least 75% of their capacity. This durability translates to fewer replacements and enhanced efficiency. Plus, with maintenance-free operation, they provide a reliable and hassle-free power solution, further contributing to the overall cost-effectiveness.



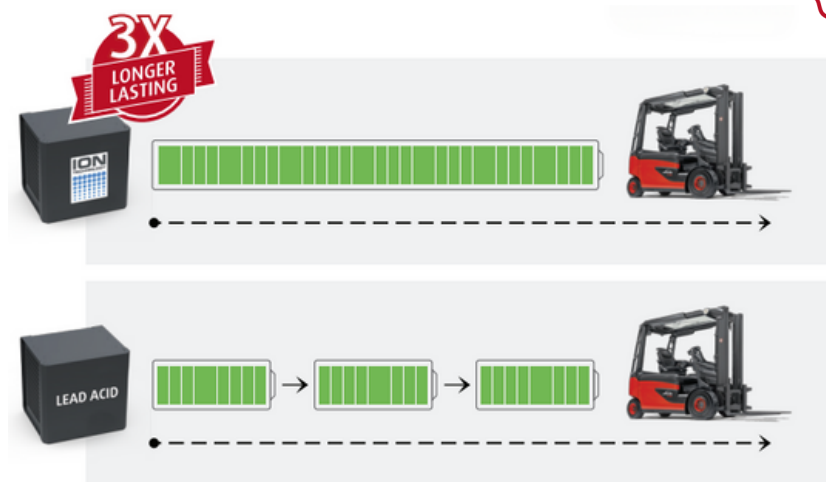
## Green Performance

# LESS WASTE, MORE HASTE

Thriving even in intense 24/7, three-shift operations, Li-ION outpaces other types of batteries, delivering consistent operation and less downtime.

Its extended lifespan—up to 3x longer than traditional batteries—translates to fewer replacements and significant cost savings, effectively blending top performance with eco-friendly efficiency

**Linde Li-ION powers your operation longer, for less.**



## Reduced Carbon Footprint

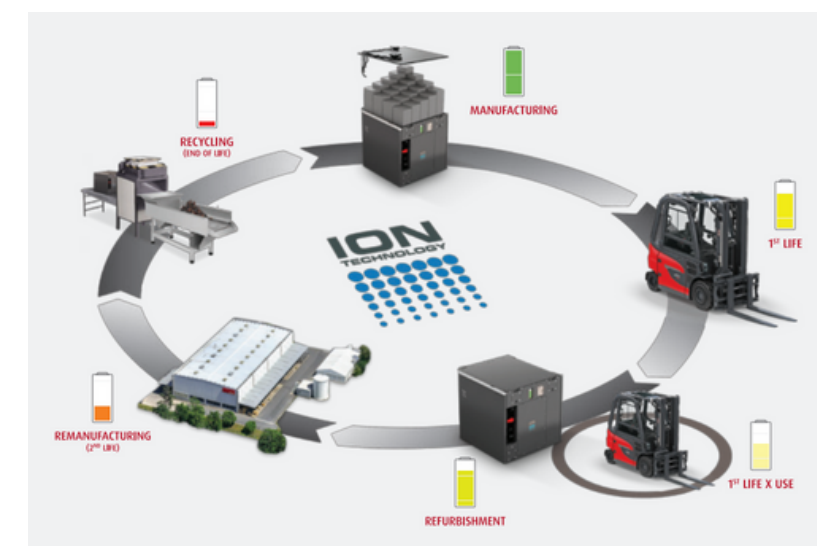
Switching to Li-ION is a key move in the global drive to reduce your operation's carbon footprint. By significantly cutting CO2 emissions, Li-ION technology is not just about operational efficiency—it's about building a cleaner, greener way of working for your whole team.

## Comprehensive Recycling Process

Linde's approach to sustainability extends to our comprehensive recycling process. Used Li-ION batteries are meticulously disassembled, with valuable elements like lithium, cobalt, and nickel being reclaimed, demonstrating Linde's pioneering role in responsible battery lifecycle management.

## Linde Battery Life Cycle

Switching to Li-ION is a key move in the global drive to reduce your operation's carbon footprint. By significantly cutting CO2 emissions, Li-ION technology is not just about operational efficiency—it's about building a cleaner, greener way of working for your whole team.

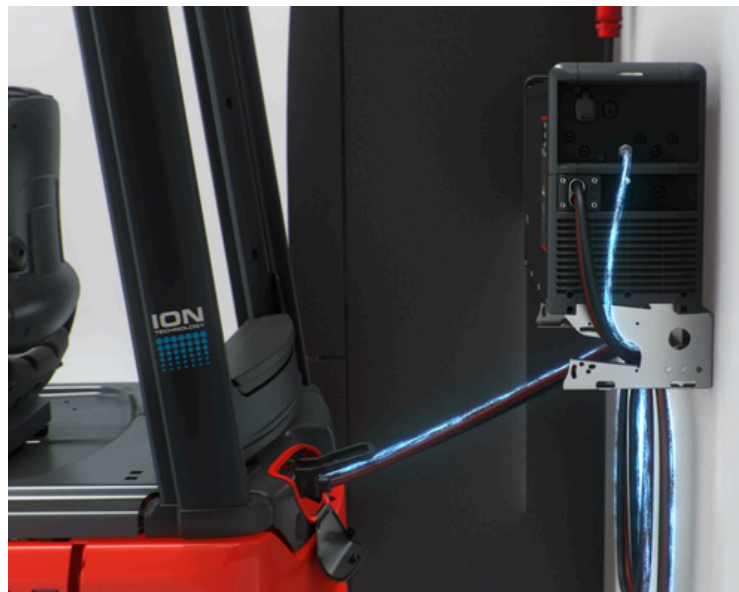


## Safety and Maintenance

# SAFETY IN EVERY CHARGE

Linde batteries, forklift trucks, and chargers are engineered with a comprehensive safety system, ensuring exceptional protection and efficiency at every level, from individual cells to the entire system.

Developed in our state-of-the-art facilities, each product is meticulously designed to protect your people and equipment.



## Industry Leading Testing

Unlike our competitors, Linde batteries are designed, made, and tested in-house, and undergo extensive stress and crash tests during development. This rigorous process ensures they meet the highest safety standards, including a robust steel housing that withstands extreme conditions and safeguards against accidents and impacts.



## Hazard Gas Elimination and Contamination Protection

Linde Li-ION technology eliminates risks associated with hazardous gases produced by lead acid batteries. The closed system design prevents external contamination, enhancing safety and prolonging battery life.



# Analysis Before Action

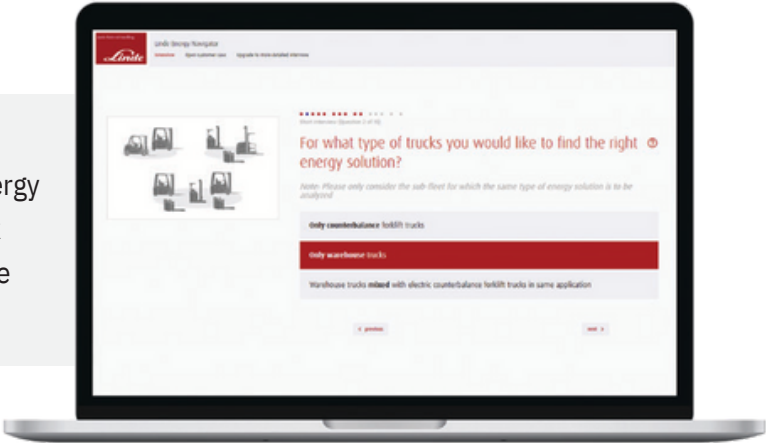
## FINE TUNING FOR THAT PERFECT FIT

Ramp up the efficiency of your operations with Linde. It’s more than consultation—it's the beginning of a bespoke energy solution crafted for your business. We'll start developing a strategy that's not only ready for the real world but also tailored to your specific needs. We quickly understand your situation and initiate a scalable plan that grows with your business.



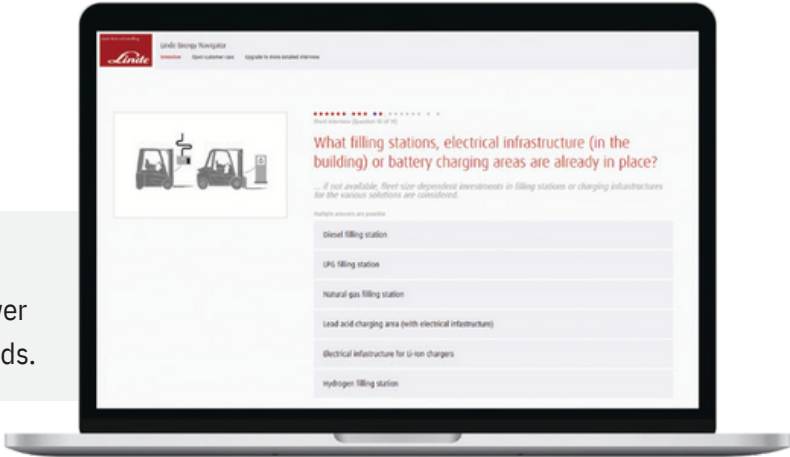
### Equipment and Operations

Together, we delve into your equipment’s energy dynamics and daily operations. From network infrastructure to environmental conditions, we ensure your operations hum with efficiency.



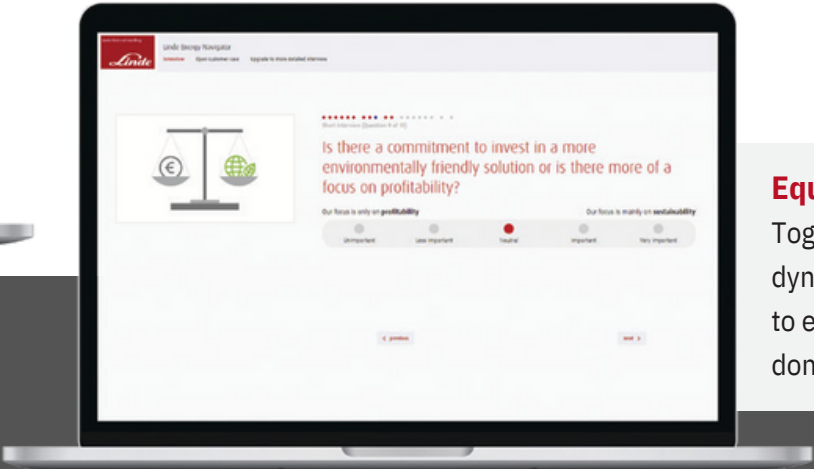
### Energy Infrastructure and Environment

We assess your current infrastructure and power demands to truly understand your specific needs.



### Equipment and Operations

Together with you, we delve into your equipment’s energy dynamics and daily operations. From network infrastructure to environmental conditions, we ensure your operations don't just run; they hum with efficiency.



### Support That Stands By You

Together with you, we delve into your equipment’s energy dynamics and daily operations. From network infrastructure to environmental conditions, we ensure your operations don't just run; they hum with efficiency.

Seamless Integration for Green Performance

# FUTURE-PROOF YOUR OPERATION WITH LINDE LI-ION

In the tough world of materials handling, where every minute and dollar counts, Linde Li-ION solutions step up. It's not just about advanced batteries; it's about making your day-to-day operations smoother, safer, and more cost-effective. Choosing Linde means you're getting more than just a product; you're getting a partner who's committed to pushing the envelope in efficiency and reliability. With Linde, you're ready for the challenges of today and geared up for the opportunities of tomorrow.

## Linde Energy Solutions

CLASS 1

1346	346	1347	1252	1254	1276	1279	1293	1471

CLASS 2 & 3

1101	1102	1103	1355	1395

**TW ION TECHNOLOGY**

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SOLUTIONS FOR GROWTH

DOUBLE WARRANTY

TOP TIER WARRANTIES

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