

Kalmar Electric Forklifts.

# Which technology is right for you?



ECO-EFFICIENCY AT WORK 



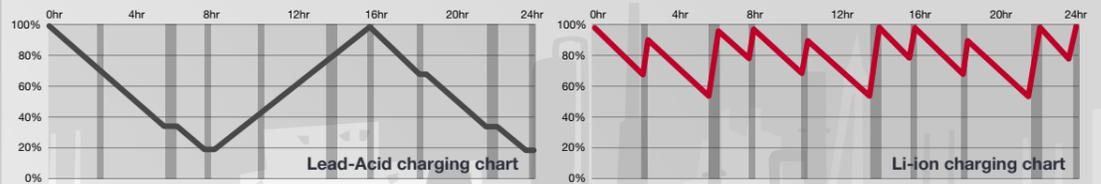
# Lead Acid vs Li-ion.

## Choosing the right solution.

Kalmar offers two types of battery technology to power its forklifts, Lead Acid and Li-ion. You will need to decide which is the right solution, here is some helpful information that may help you make that decision.

## Comparing the two battery technologies:

Here is a chart that demonstrates the difference between the two battery types. The Lead-Acid battery is generally removed after a shift and then fully charged prior to being re-fitted onto the forklift, it can be charged directly in a safe location. The Li-ion battery can be continuously re-charged during operational downtime or statutory breaks.



**Lead-Acid**



**Li-ion**

## What is the difference?

## How to decide which forklift is right for the task.

Here are a few questions you can ask yourself to help find the right solution:

### Operational questions:

What is the operational cycle?



Are you operating more than one shift?



Charging time



### Infrastructure questions:

Charging infrastructure in-place?

Required

Required

Potential power in the grid?

ECG50-90: 3-phase, 400 V; 25-63\* A fuse  
ECG90-180: 3-phase 400 V; 2x63 A fuse

ECG50-90: 3-phase, 400 V; 2x32 A fuse

Space for a charging room?

Required

Not required

Ability to switch batteries?

Yes

Not required

## Additional questions:

**Does the company want to build an eco-efficient profile?**

If yes, suggest an electrically powered forklift.

**Do they need to meet tough emissions standards?**

If yes, suggest an electrically powered forklift.

**Is there the possibility for internal or external funding?**

Many companies and government authorities now have specially funding available for eco-efficient technology. See if there is any available to help fund your customers purchase.



## Why an electric forklift?

- Zero emissions while in operation
- Lower maintenance costs of up to 50%
- Less noise and vibrations
- Easier and more comfortable to operate
- Better handling and fast acceleration
- Suitable for using with sensitive goods
- Suitable for working indoors
- Two year payback period\*.

\* Based on: ECG160-12 forklift with 2 sets of batteries and 2500 operating hours.

**Kalmar Electric Forklifts, helping to build a safe eco-efficient future for our customers.**



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