

SILVERSTONE

YOUR FULL LINE SUPPLIER OF MATERIAL HANDLING



BATTERY TECHNOLOGY



Our counterbalanced Forklift trucks with lithium battery have lots of advantages. Below you will find some of them.

Good for the environment & health

Avoid all exhaust fumes and dangerous diesel particles with our new lithium counterbalanced truck.

Easy to maintain

80% fewer moving parts than a counterbalanced truck with an internal combustion engine, which results in smooth service and low ownership costs. ZAPI control system for smooth adjustments.

Reduce costs

Save money by avoiding battery replacement and expensive fuel costs. **A lithium battery has up to four times longer life than a traditional acid battery and has more than 30% higher energy efficiency. The lithium battery is designed to last the entire life of the truck.**

Ergonomics

All models have a newly developed chassis that is designed around the lithium battery, which gives one of the best legroom in the class.

Charging

No more checks or worries about water filling, lithium is maintenance free. From 2 hours charging time and no rest break is needed after charging. A counterweight truck with acid batteries requires about 8 hours of charging time and also a rest break after that. In addition, lithium batteries do not release gases during charging. You can even charge the battery as much as 7% during a 10 minute break.

All our counterbalanced trucks have Lithium-iron phosphate (LFP)

batteries LFP is the safest Lithium blend with a high power density and a very high service life. It is more thermally stable than other cathode materials and does not burn during thermal rush or external damage.

How environmentally friendly are Lithium batteries compared to old acid batteries?

Lithium batteries do not need air circulation in the charging compartment. Acid batteries produce explosive

gases during charging so special charging stations are required. As there is no acid, no special charging stations with glasses, gloves, etc. are needed .

There is no cobalt in LFP batteries. The extraction of cobalt is associated with environmental degradation and poor working conditions.

All our batteries are service-friendly with replaceable cells.

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WHY USE LITHIUM-ION FORKLIFT BATTERIES?

Lithium batteries are quicker to charge and can save you money by not having to rely on watering, cleaning and equalising required by other types of forklift batteries. You also get longer and consistent performance compared to other batteries.

Lithium-ion batteries contain on average three times more energy than standard batteries, provide consistent voltage, and don't slow down your machine as they discharge.

They are safer to use for your staff and a better option for the environment, having a lifecycle up to 4 times longer and are up to 30% more energy efficient, they are safer and greener because they do not emit CO2 gas, and there's no risk of acid spills.

Lead-acid batteries need 8 hours to charge and another 8 hours to cool down, whilst a lithium-ion battery can be fully charged in as little as an hour, making more efficient use of opportunity charging during breaks, resulting in an ideal choice for multi-shift operations.

