



LI-ION
technology

**Batteries. Chargers. Fork lift trucks. Consulting services.
A one-stop shop for lithium-ion technology.**

**JUNGHEINRICH**
Machines. Ideas. Solutions.



Lithium ions.
**Benefit from the future-
proof functionality of this
advanced energy storage
technology. Economical and
environmentally friendly.**

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Li-ion powered fork lifts are always available. They allow for fast full charging or boost charging (50 % charge in 30 minutes and 100 % in 80 minutes). They are maintenance-free and do not require a battery change when used for multi-shift operations.

Li-ion batteries reduce your costs. With a 30 % improvement in energy efficiency and a three times longer battery life than lead acid batteries.

Lithium-ion technology guarantees truly worry free operation. It protects our environment with the best CO₂ balance (compared with all other energy storage systems) and is safe to handle.

Benefit from our turnkey solution.

Our li-ion batteries, chargers and trucks are carefully tailored to each other. We specify and test the entire system ourselves. This is all for a very good reason: Maximum efficiency, reliability and performance in daily operation.

Appropriate chargers

- Our chargers have a specific li-ion charge characteristic. The advantage: The charging process is controlled by the battery management system (BMS) and is optimally tailored to the battery.
- The displays provide detailed information about the charging status.
- Built-in chargers can be connected to any standard plug socket.
- Separate chargers ensure greater charging performance and faster charging speeds.
- Plug-and-play ensures that the battery case can be removed and inserted in the charger in a matter of seconds (EJE 112i).



Appropriate battery power

We ensure the perfect interaction between our li-ion batteries, our chargers and our trucks, e.g. with the controllers that we have developed in-house and electronic battery management, which monitors and controls each current flow ready for operation. For reliable and long-term use.



Li-ion model	24 V/40 Ah	24 V/110 Ah	24 V/220 Ah	24 V/330 Ah
Chemical: Lithium...	Nickel-manganese-cobalt	Iron phosphate	Iron phosphate	Iron phosphate
Recommended charger	SLH 040i 24/40	SLH 090i 24/100	SLH 090i 24/200	SLH 090i 24/300
Charge time with stand charger	approx. 80 min.	approx. 80 min.	approx. 80 min.	approx. 80 min.
Boost charging	50 % of the nominal capacity in 30 min.			
Comfort charging plug	–	–	possible	possible
Charge time with built-in charger	approx. 90 min.	approx. 210 min.	–	–

Fork lifts ready for use

Many of our trucks are ready for your switch to lithium-ion technology. Simply install the modification kit, connect the li-ion battery and away you go.



Fork lift truck*	40 Ah	110 Ah	220 Ah	330 Ah
EJE 112i	•	–	–	–
EJE	–	•	–	–
EJC	–	•	–	–
EJD	–	•	–	–
ERE	–	–	•	•
ERD	–	–	•	•
ECE	–	–	•	•

*Model and other truck/battery combinations on request.

Individual consultation

Planning, design and implementation: Our area sales managers will be at your disposal throughout this process. From modifying an individual truck to the conversion of entire fleets for boost charging in multi-shift operations. We will deliver your own individual solution. For your efficient switch to lithium-ion technology.





ISO 9001 The German production facilities in Norderstedt and
ISO 14001 Moosburg are certified.

 Jungheinrich trucks conform to the European Safety Requirements.

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