



Energy system

Active load management

Optimum charging current supply from high-frequency chargers for lithium-ion batteries.

JUNGHEINRICH

Active load management

Jungheinrich high-frequency chargers.

For needs-based charging in any situation.

This smart and versatile solution for active load management offers you the perfect combination of networked high-frequency chargers for lithium-ion batteries (SLH 700i), charger software and the SLC 700 load management control centre for optimum regulation of energy distribution within your fleet.

In addition to peak shaving, the reduction of the maximum peak load through the efficient distribution of the available power to the individual trucks, the intelligent power management convinces with prioritisation rules that optimally supply all lithium-ion trucks with charging current depending on the state of charge.

Should the infrastructure be inadequate or the cost of accrued power peaks too high, you will benefit from reduced peak load, as well as lower energy and infrastructure costs in the long term.

All benefits at a glance

- Load management for lithium-ion high-frequency chargers.
- Exchange of charging and state information via the control centre (SLC 700).
- Peak shaving: modulation of charger groups to an overall power limit.
- The ideal solution for already existing or too weak e-infrastructure.
- Reduced performance-based power costs and lowered infrastructure costs.

Jungheinrich load management solution

for maximum customer benefits.



Efficiency.

Maximum productivity without high electricity costs.

Keep control over the power consumption of your fleet: without any manual intervention, the available total power is distributed precisely to the lithium-ion trucks used, depending on the state of charge.

Smart energy and load management solution

- Avoidance of expensive load peaks by reducing peak load.
- Long-term minimisation of energy and infrastructure costs.

Peak shaving: determination of the maximum power consumption

- Groups of chargers used are set to an overall power limit for optimum use of the existing electrical infrastructure.



Safety.

Best conditions for working safely.

100% performance guaranteed: prioritisation rules always ensure the best possible availability of your lithium-ion trucks – ensuring smooth operation in the warehouse at all times.

Intelligent prioritisation

- Depending on the state of charge, individual trucks are prioritised during the charging process to ensure the best possible use of energy resources.
- Should the peak load be reached when additional trucks are connected, load management reduces the power supply according to priority and state of charge of the connected truck.

Coverage in the event of malfunction

- Pre-defined fallback rules ensure that sufficient trucks will always be available, even in the event of a malfunction.



Individuality.

A solution as individual as your business.

You determine what needs-based charging looks like in your company. Our load management fully adapts to current customer processes and the existing infrastructure in your warehouse to achieve maximum performance.

Optimal networking of the battery chargers

- Connection of the chargers optionally via radio, LAN / Wi-Fi or cable.

Professional energy management

- Optional integration of load management into a higher-level energy management system.
- Creation of weekly schedules within the system to control the available power for the chargers used, depending on the customer processes.