



 **HOPPECKE**
POWER FROM INNOVATION
trak | uplift impulse

 **HOPPECKE**
POWER FROM INNOVATION
trak | uplift impulse+

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Maintenance free battery system for light and medium traction applications



100%
maintenance
free!

New impulses for your business

More performance, less energy consumption

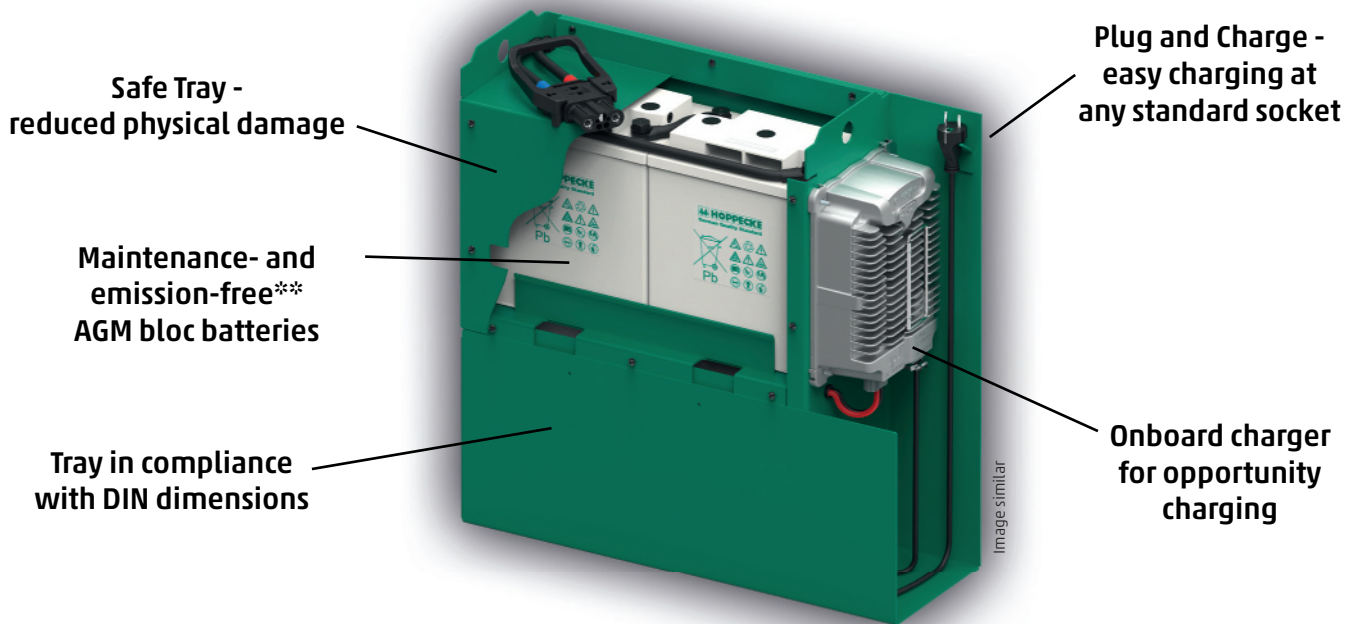
Modern logistics solutions and vehicle manufacturers always have increasing demands on every single component within the process chain - including the traction battery. Here, accelerated processes can ensure the highest possible efficiency in value-adding activities. This is achieved by efficient energy solutions optimally tailored to your requirements.

At the heart of the trak | uplift impulse are four AGM block batteries connected in series. The carrier design meets the standard weights and dimensions of the classic flooded battery. The AGM technology ensures that the batteries are completely maintenance-free - there is no need to refill water.

The new trak | uplift impulse - HOPPECKE's maintenance-free energy solution for the truck-mounted forklift and electric pallet truck sector takes this into account. In many details it offers decisive advantages over conventional lead-acid traction batteries.

Their high energy efficiency saves up to 16 % energy costs when used in conjunction with a HOPPECKE charger *. This makes the trak | uplift impulse a safe investment in operational reliability and profitability.

The trak | uplift impulse+ offers even more flexibility thanks to the integrated charger.



Applications

Ideal for your electrically powered small industrial vehicles such as

- ▶ Truck-mounted forklifts
- ▶ Pallet trucks
- ▶ Tugs
- ▶ Order picking forklifts
- ▶ Reach Trucks
- ▶ Floor care and cleaning machines



Six reasons for more profitability

The advantages of **trak | uplift impulse** and **trak | uplift impulse+**

1. AGM technology

High-current capability

Higher battery availability due to longer runtimes with dynamic and short-term high load requirements.

Opportunity charging

Maximum vehicle availability and optimum use of downtimes, especially in multi-shift operation

2. Sealed block design

100 % maintenance-free

Saves operating and personnel costs and minimizes the risk of maintenance mistakes.

Emission-free **

More safety for employees. Suitable for use in clean rooms and the food industry.

3. Compact, modular tray construction

Compliance with DIN dimensions

Easy integration of the trays into vehicles, re-use of the tray and many components at the end of the battery lifetime.

4. Increased product and user safety

Easier handling

Thanks to the Safe Tray solution and integrated drive-off protection ***, physical damage is minimized, and a longer component service life is achieved.

* HOPPECKE charger with AGM charging characteristic required

** Minimal gassing possible

*** Only for impulse+

**** At 80 % DoD and 30 °C

5. Onboard charger ***

Plug and Charge

More flexibility as well as cost and time savings due to the possibility of charging at any standard 230 V socket.

Decentralized charging

For maximum mobility with minimized investment costs: No battery exchanges, additional chargers or charging stations necessary.

6. HOPPECKE charging characteristic

Optimized charging

Reduction of energy costs during the charging phase by up to 16 %.

Increased service life

In combination with a HOPPECKE charger, up to 1000 nominal cycles can be reached. ****



Areas of application

- ▶ Light and medium traction applications
- ▶ Dynamic and short-term high load requirements
- ▶ Clean room applications
- ▶ Food industry
- ▶ Logistics companies with multiple shift operation



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