

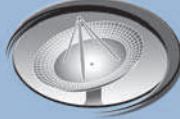
AGV Battery Systems



Motive Power Systems



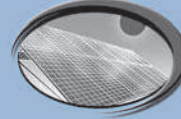
Telecom/IT Battery Systems



Railway Battery Systems



Power Supply



Standby



# trak<sup>®</sup> powerpack

## The unique battery system for electric pallet trucks

The trak<sup>®</sup> powerpack is a unique design with 4 HOPPECKE trak<sup>®</sup> bloc maintenance free AGM monobloc batteries assembled in a self-supporting tray with an on-board HF charger.

It is a unique solution for on board pallet trucks in a long distance cargo truck without any over-charge (escape of aerosols) of the battery!

Due to the AGM technology, the trak<sup>®</sup> powerpack is suitable for opportunity charge for a prolonged shift.



Typical applications for HOPPECKE trak<sup>®</sup> powerpack:



Light-duty operation



Food stores operation

## trak<sup>®</sup> powerpack

### Features and benefits

The 4 trak<sup>®</sup> bloc AGM maintenance free monobloc batteries of the trak<sup>®</sup> powerpack system are of each 6V with a capacity of 170Ah/5h. The batteries are non spillable even when they are damaged or cracked. The electrolyte is fixed in the glass mat (AGM) between the plates which means there is no need to add water during the whole lifetime. Thanks to the use of the HOPPECKE AGM technology, which received the Innovation Award 2000, the HOPPECKE trak<sup>®</sup> powerpack system offers a high level of reliability and a long life expectancy.

To achieve optimal performance and cycle life time from the fully maintenance free trak<sup>®</sup> bloc batteries, it is essential that they are operated in conjunction with HOPPECKE's matched AGM charge programme.

The HOPPECKE trak<sup>®</sup> bloc charger with High Frequency technology provides this perfect match.

Whatever the depth of discharge, when batteries are not charged properly they will not perform correctly: The matching HF charger in trak<sup>®</sup> powerpack helps to avoid this.

The HOPPECKE trak<sup>®</sup> bloc charger has single phase input of 1x230V ±10%, 50/60Hz, 850VA.

The design incorporates forced ventilation cooling, secondarily fuse and short circuit proof. Electrical efficiency is in excess of 85%.

Each charger conforms to low voltage directive 73/23EEC and EMC directive 89/336EEC plus their further amendments. The monitoring charge progress is made simple by means of a colour changing LED indicator, located at the top of the trak<sup>®</sup> powerpack.

The trak<sup>®</sup> powerpack system is available in two sizes:

1. Compact: 578x173x590 (L-W-H)mm
2. Standard DIN B: 624x212x627 (L-W-H)mm

It fits in over 80% of most common pallet trucks layouts in Europe.



**Remote LED**  
To control the charge programme



**Mains plug support**  
To interrupt the driving system of the vehicle during the charge of the battery

### Cost effective solution

With on board HF charger for easy and optimal use of pallet truck

- No topping up with water over the whole life of the battery - maintenance free monobloc battery
- = **Saving in maintenance costs**
- Lower internal resistance as similar gel battery systems
- = **Suitable for high discharge current with better performance than similar gel monobloc batteries**
- Well proven design with a high cycle life
- = **Long life expectancy**

- No aerosol emission during operation  
Conform to all health and safety regulations
- = **No need of centralised charging stations**
- = **On-board charging**
- = **Optimal operation in food and beverage sectors**
- Suitable for opportunity charging
- = **Maximum vehicle availability**
- Fully automatic precise charging of the battery through micro-processor control, no risk of overcharging
- = **Reliable and safe system**