

trak[®] eco

Traction energy systems with encapsulated battery



Motive Power Systems

Reserve Power Systems
Special Power Systems
Service

Your benefits with HOPPECKE trak[®] eco

- Reduced topping frequency
- Water consumption reduced by up to 70%
- Energy costs reduced by up to 30%
- Higher operational reliability - Electrolyte level indicator as standard
- Savings in maintenance costs - Less time spent on cleaning through encapsulated battery



Typical applications of HOPPECKE trak[®] eco

- Light-duty operation
- Normal operation
- Heavy-duty operation
- Shift-plus operation without equalising charges

trak[®] eco system

Features and benefits

The HOPPECKE trak[®] eco concept

The maintenance activities required in connection with lead-acid batteries may be broken down as follows:

- Essential measures to avoid loss of battery capacity, and to ensure immediate readiness for use (next discharge of the battery)
- Preventive inspection to safeguard battery life expectancy, therefore avoiding unplanned investment.

The important and necessary measures are defined as refilling of water, inspection of the electrolyte, cleaning of the battery surface and checking for damages.

The HOPPECKE trak[®] eco system involves a unique concept, based on the use of a protective, insulating battery cover.

This encapsulation of the battery avoids damage to the battery cells and reduces contamination of the battery surface.

The use of electrolyte circulation with adaptive pump interval control reduces the chemical loss of water. Innovative retention systems also minimise physical water loss.

Application of the HOPPECKE trak[®] eco concept maximises maintenance intervals, resulting in a nearly no-maintenance battery.



trak[®] eco with lid

Reduction in necessary maintenance activity

Through battery encapsulation, interval electrolyte circulation, and HF charging optimised for the system

■ Reduction in battery contamination

- Less time spent on cleaning

■ Avoidance of physical damage

- Less inspection required

■ Loss of water minimised

- Less time spent on topping-up

■ HOPPECKE AquaCheck[®] as standard

- Electronic control of electrolyte level to ensure functioning capability.

■ Compensation for the effects of mains power fluctuations through the use of regulated HF chargers

- Avoidance of under- and overcharging

■ Full charging ensured through pressure-monitored adaptive charge factor adjustment

- Good operational reliability

■ Capacity for opportunity charging without equalising charging

- Extended battery operating times

■ Compensation for variation in battery performance through the IU1a characteristic

- Optimal charging ensured throughout the whole life of the battery