



Dethleffs Smart Battery System

5-block 125AH LI battery (DC-Tec 125) without display

Even more charging power for your Dethleffs

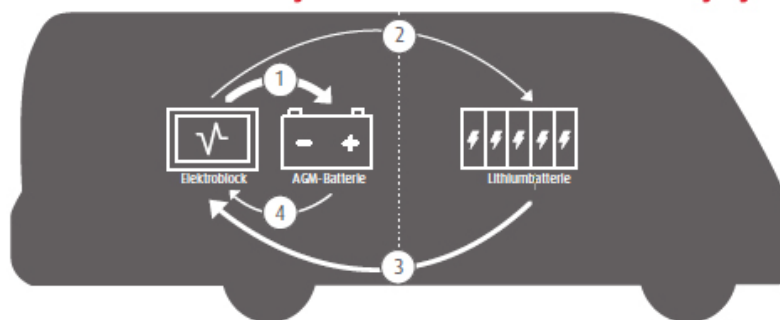


Those who want to charge their batteries in a particularly smart way so that they last for a long time can now retrofit the Smart Battery System (lithium battery) from Dethleffs. The system combines two different types of batteries (AGM and lithium battery) so that the benefits of both technologies are brought to bear and the durability of the batteries can be significantly increased.

It is ideal as a backup battery to increase the available capacity. Compared to retrofitting with a normal AGM battery, this existing lead-acid battery (AGM) can continue to be used and does not need to be replaced. With a battery efficiency of over 90 percent, you can extend the self-sufficiency time to an average of three to five days, depending on the package. Another advantage is the significantly lower weight compared with the normal lead-acid battery.

How it works

Standard System Dethleffs Smart Battery System



1. Priority charging of the AGM battery
3. Discharging the lithium battery

2. Complete charging of the lithium battery
4. Discharging the AGM battery (buffer storage)



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Product advantages:

- Exclusive product - perfectly matched to the Dethleffs vehicles
- Extension of the self-sufficiency time from 1.4 days (at Ø typical consumption) to 5.3 days with 5-block LI battery
- Increasing the service life of the lead-acid battery from Ø approx. 3 years to up to 10 years
- Great weight saving compared to retrofitting with AGM batteries
- Existing charging technology (electric block and, if necessary, additional charger) remains unaffected thanks to intelligent battery management.
- Completely winterized system: Great advantages especially in minus temperatures, as the AGM battery takes up charge from the first second and at the same time the integrated heating of the LI battery warms the battery to a temperature of 10 ° C to enable rapid charging.
- Environmental bonus: The existing AGM batteries* do not have to be disposed of but can continue to be used.
- Safety bonus: The DC-Tec battery is a lithium-iron-phosphate battery (LiFePO₄). Overheating / thereby eliminating the risk of fire!
- Charging bonus: Immediate current consumption from when the engine is started and during the entire journey → no reaction time due to start-up curve of the chemical process with AGM batteries.
- Cost bonus: Relatively inexpensive entry into the world of LI, as the existing AGM battery can still be used.
- Compared to retrofitting with another AGM battery, the existing lead-acid battery (AGM) can continue to be used and does not need to be replaced*.
- Also ideal for replacing AGM batteries due to wear.
- Flexible: If necessary, the system can easily be expanded with one or more blocks, and step by step is not a problem. The LI battery can be installed in any position; thanks to the narrow design, it can also be installed in smaller niches.

* unless it is completely defective -
your Dethleffs trade partner would be pleased to advise you



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- Robust complete system: The proven lead-acid battery combined with the DC-Tec 125 LI battery delivers excellent performance over a wide temperature range. Compared to pure lithium batteries, charging in the temperature range below 0° C is also possible.
- Charge preservation: The Smart Battery System takes over the trickle charging of the lead battery over the winter months. This eliminates the need for regular recharging of the lead-acid battery.
- Made in Germany: The LI battery is manufactured in Germany.
- Dimensions: L 175 mm x H 229 mm x W 307 mm
- Weight: approx. 17 Kg
- Package contains: 1 LI battery (5 blocks), 1 5x connecting cable to the AGM battery, operating instructions, fuses
- **Optionally available: Display set / change indicator (#3342527)**
- 5 years warranty on the battery.
- Installation of the Dethleffs Smart Battery System must be done by your Dethleffs dealer. For further information, please contact your trade partner.
- **Suitable for the following Dethleffs motor homes series since 2007:**
 - Just T, Trend T/A/I
 - Globebus T/I
 - Pulse T/I
 - AIPa A 6820
 - AIPa A 7820