

Previous energy consumers

+ New energy consumers

- Lighting
- Engine start, radio, windscreen wiper
- Air conditioning
- Heated seats, heated side mirrors
- Navigation
- Electric windows
- Compressed air horn

- Auxiliary heating
- Entertainment
- Microwave
- Fridge
- Telephone, mobile phone
- Mobile transmission and evaluation of vehicle data
- Emergency brake light, daytime running light, hazard warning light
- Lane keeping system, MirrorEye, driver assistance system, fleet management system, electronic braking system
- Alcolock analysis system, driver warning system, immobiliser



THE BIGGEST ELECTRICITY CONSUMERS IN THE LONG-DISTANCE HGV



Fridge

The fridge consumes about 1-3 Ah (depending on the outside temperature). If it remains switched on over the weekend, a fully charged battery can be discharged by more than 50%. If the battery is not fully charged, deep discharge may occur.



Air conditioning

The air conditioning in the HGV consumes approx. 10-30 Ah and switches off when the battery state of charge reaches 45%. At an outside temperature of +30 °C and a cab temperature of +26 °C, the air conditioning can be used for 8-10 hours. At a cab temperature of +20 °C, this time is reduced to approx. 4-5 hours. So, always choose an inside temperature that is similar to the outside temperature.



Lighting and entertainment

Lighting and entertainment are other large electricity consumers. The interior lighting consumes about 5 Ah. If the TV and an audio system or laptop are used, another 4-5 Ah are consumed.



Auxiliary heating

With an energy requirement of approx. 4-10 Ah, the auxiliary heating is often the biggest consumer of electricity in winter. As this is used at low temperatures, the battery power is significantly reduced. At an outside temperature of -18 °C, for example, the battery capacity is reduced to only about 50%.

Banner – POWER PACK BUFFALO BULL AGM MORE THAN JUST A BATTERY.

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Banner POWER & CONVIENCE BUFFALO BULL AGM



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BUFFALO BULL AGM – COMFORT FOR LONG DISTANCES



THE POWER FOR LONG-DISTANCE HGVS WITH ABSORBENT GLASS MAT TECHNOLOGY

Nowadays, a long-distance HGV is more than just a means of transporting goods from A to B. It's the trucker's place of work as well as their home for more than 3 days a week. Banner is launching the new Buffalo Bull AGM to meet these extensive demands.

The optimum starter and on-board electrical system battery for long-distance HGVs (long-distance lorries) in the toughest sustained deployment.

Always enough power! For starting the engine and supplying the electrical system – in other words, perfect living comfort. Always and everywhere! Even while using the largest power consumers, such as air conditioning, auxiliary heating, refrigerator, lighting and entertainment.

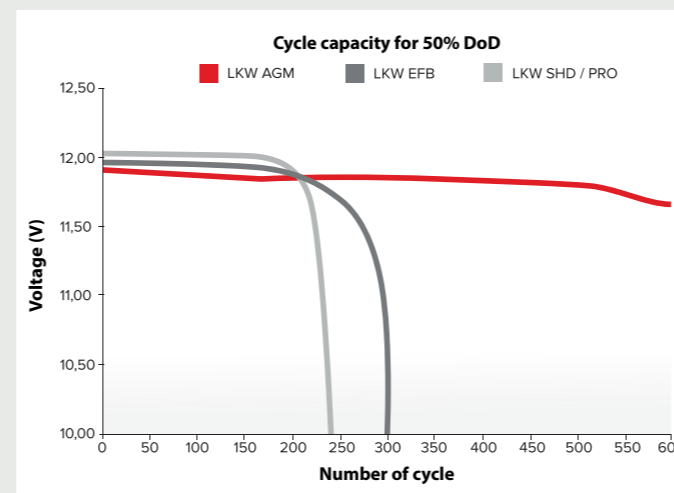
- Full starting power and MEGA comfort are guaranteed by the new Buffalo Bull AGM starter and on-board electrical system battery for every long-distance HGV and therefore for every trucker.
- More than enough power for starting the engine and on-board power supply. Enough starting power in the morning without having to run the engine overnight.

TECHNICAL DETAILS

- Valve regulated lead acid battery (VRLA)
- Nominal voltage: 12V
- Nominal capacity: 210 Ah
- Cold start: 1200 A (EN)
- Dimensions according to EN 50342-4:2009
- For all long-distance HGVs: MAN, Mercedes, Scania, Steyr Trucks, Volvo, ...

PRODUCT BENEFITS

- Three times the cycle stability compared to conventional SHD batteries, due to active mass formulation and mat supports



*DoD: Depth of Discharge 50%

- Robust design and best vibration resistance thanks to special set fixing.
- Improved corrosion resistance of the grids due to the use of continuous manufacturing processes.
- No acid stratification due to Absorbent Glass Mat design.
- Excellent charge absorption: regulator voltage of the vehicle is optimally suited even for deeply discharged batteries
- Calcium technology ensures minimum water consumption.
- Designed for highest energy demand due to increasing comfort functions in long-distance HGVs.
- Optimal for integral rear mounting (EURO exhaust gas class 5/6).

- Central degassing with integrated backfire protection.
- Add-ons to improve product safety: short-circuit protection, electrostatic discharge plugs*.



The driver spends the night in the vehicle and uses a large number of different electrical consumers. Overnight stays: up to one week.



Charging the battery while driving within 9 hours at low voltage (14.3 V/battery), which means that the battery must be optimally charged.



Guaranteed extreme vibration resistance, even with integral rear installation of the battery in the HGV.



More information about this under