More cycles – longer life

Proof of greater performance and value for money: Compared with the HD truck starter battery, the EXIDE GEL allows a far higher number of cycles at the same discharge level.

Constant coldcranking performance

Compared with the conventional HD starter battery that constantly loses starting power during its lifetime, the EXIDE GEL is starting with increasing coldcranking performance, coming to a constant level over its entire service life.

Minimal self-discharge

Due to its extremely low self-discharge, the EXIDE GEL still has over 80% of its nominal capacity after storage time of six month – even after two years it still retains over 60%. Without recharge!
Power supply battery for professional applications

Maintenance-free, sealed battery system

More useable capacity

Sealed technology with recombination

• Optimum power supply performance
• Cycling capability and long life
• Constant coldcranking performance
• Robust construction
• Leak-proof, permitted angle of inclination 180°
• Minimum self-discharge
• Clean and environmentally friendly
• Absolutely maintenance-free
• Clean and safe to handle
• Very long storage times
• Versatile applications – from local buses to sailing boats
**Applications**

**IDEAL FOR:**
- Local buses
- Coaches
- Forklifts, construction machinery
- Solar applications
- Leisure and sports vehicles
- (caravans, mobile homes, sailing boats, motorised yachts, motor boats)

**Type overview**

**Charging method**

**Performance profil**

---

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Type</th>
<th>Voltage (V)</th>
<th>Dimensions (LxWxH/mm)</th>
<th>Weight (kg)</th>
<th>Capacity (20h/Ab)</th>
<th>Capacity (100h/Ab)</th>
<th>I (DIN)</th>
<th>Hold-down</th>
<th>Assembly</th>
<th>Terminal type</th>
<th>Useable for DIN-type</th>
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</tbody>
</table>

**Terminal type 1**

**Terminal type 5**

**Type overview**

**Charging method**

**Performance profil**

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**EXTERNAL CHARGING OF EXIDE GEL-BATTERIES:**

- **I phase** with current intensities of between 10 and 30 A/100 Ah. (recommendation 1/10 of the battery capacity, e.g. 10 A for 100 Ah)
- **U phase** or **U1 phase** (main charging phase) with constant voltage between 14.1 and 14.4 V
- **U2 phase** (float charge) with constant voltage of 13.8 V.
- Charging times phase IU or IU1 at least 12 hrs, change to U2 phase after 12-16 hrs

**CHARGING WITH ON-BOARD GENERATOR:**

- With 12 V system 14.1 to 14.4 V controller voltage
- With 24 V system 28.2 to 28.8 V controller voltage

**WITH SOLAR PANELS:**

- With 12 V system 14.1 to 14.4 V controller voltage
- 14.2 V constant

---

**THE EXIDE RANGE COMPARED: PERFORMANCE BY SIZE**

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<th>Type</th>
<th>0</th>
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<th>200</th>
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In an attempt to make the highly successful, fully perfected dryfit gel technology from Sonnenschein available to the automotive industry too, EXIDE has utilised its group synergies. The result is the new EXIDE GEL, a battery that combines the strengths of both dryfit battery types, the dryfit sportline and dryfit start, to produce optimum standards of quality. The EXIDE GEL offers reliable coldcranking and maximum power supply with superior cycling performance in sophisticated applications.

With only 13 types, the EXIDE GEL allows an enormous variety of applications, giving specialist retailers just what they needed to round off their range.

The recombination principle
In the EXIDE GEL sealed battery system, the gases produced during charging are recombined back into water within the cells. This means that exceptionally clean and safe handling is guaranteed, because neither gases nor acid vapours are able to escape outside. The EXIDE GEL is therefore completely maintenance-free.

Unlike the conventional batterie, the EXIDE GEL allows a 100% discharge.
The ideal power supply battery for professional applications:

**Technical features**
- Sealed battery system with recombination
- Lead/calcium alloy on positive and negative plate
- Thick plates with mechanically reinforced positive mass
- Acid fixed in gel
- Robust construction

**Advantages**
- Absolutely maintenance-free
- Clean and environmentally friendly
- No release of acid vapours
- Extremely low gassing
- Constant coldcranking performance over time
- Minimal self-discharge
- Extremely high cyclebility
- Leak-proof
- Permitted angle of inclination up to 180°
- Deep discharge proofed
- No stratification
- High vibration resistance

**RESULT:** More performance and longer service life for demanding applications
**The EXIDE GEL**

The EXIDE GEL is designed for maximum energy power supply requirements. With its reliable continuous current output, it guarantees the function of all the vehicle’s electrical consumers. It provides an ideal buffer for cases where there is uneven charge and discharge, such as solar applications. Its uncompromising fulfilment of professional requirements means that the EXIDE GEL is ideally suited to use in leisure and sports vehicles too. Thanks to its significantly longer service life, as compared with traditional starter batteries, the EXIDE GEL is a good bet financially too.

**Robust construction**

When used in off-road vehicles, construction machinery or boats, the battery must be able to function perfectly at extreme angles and withstand severe vibrations. Its robust construction coupled with the specific advantages of gel technology means that the EXIDE GEL is characterised by its high vibration resistance.

**Uses/application**

- No need to top up water, no maintenance costs
- More utilized capacity
- Safe application in closed compartments (acc. to VDE 510...)
- Reliable starting
- Suitable for vehicles left out of use for prolonged periods, seasonal use
- Long service life with frequent charge and discharge
- No spillage in case of broken container
- Operation in extreme positions
- Deep discharged batteries can be recharged within 4 weeks
- Solar applications
- Building site and off-road vehicles