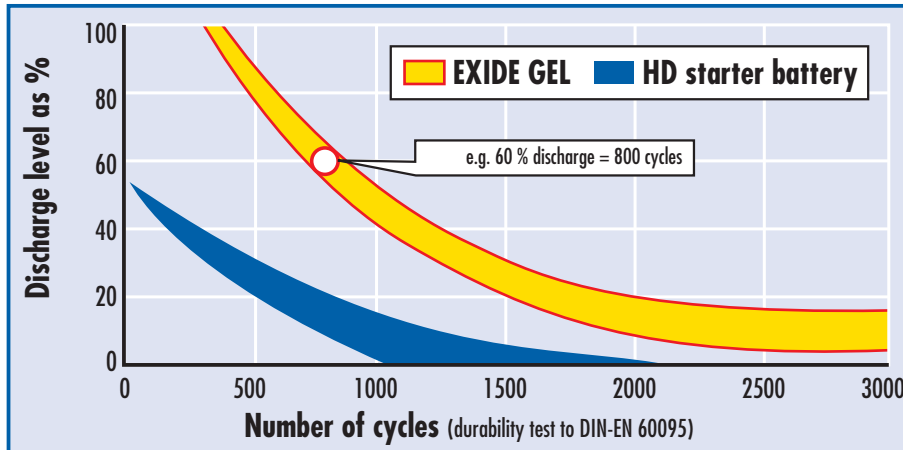
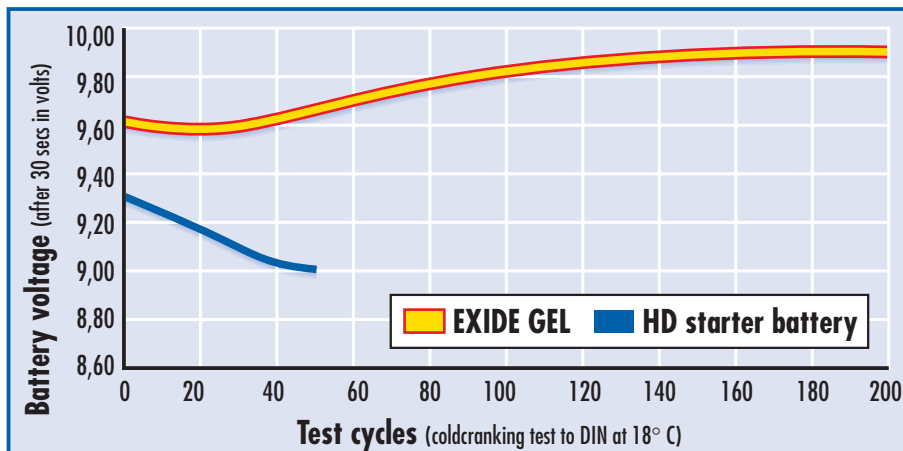


More cycles – longer life



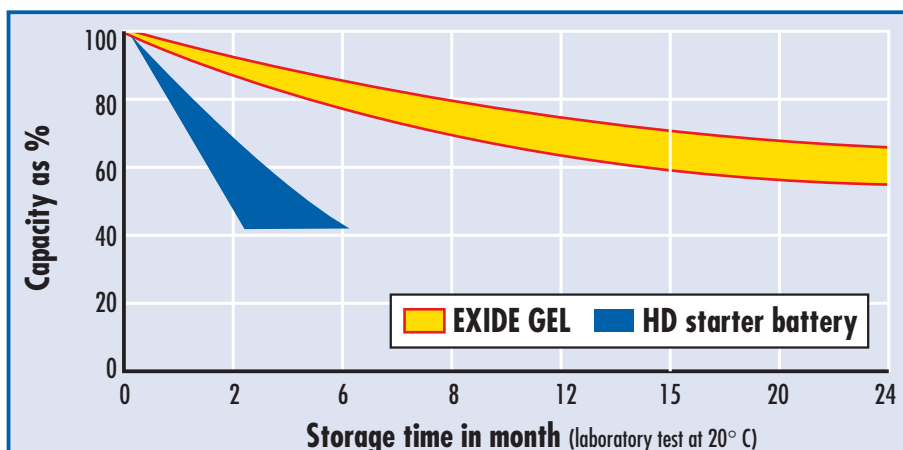
Proof of greater performance and value for money: Compared with the HD truck starter battery, the EXIDE GEL allows a far higher number of cycles at the same discharge level

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!

EXIDE GEL

Sealed technology with recombination



- Absolut wartungsfrei
Absolutely maintenance-free
- Auslaufsicher
Leak-proof
- Hohe Versorgungsleistung
High power supply

G 85 12V 270A (DIN)
85Ah (20h) 95Ah (100h)

★ Power supply battery for professional applications

★ Maintenance-free, sealed battery system

★ More useable capacity



German Lloyd, Approval-No. 1582 800-HH on 6.62005



Powerful benefits

- 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

Type overview

- Emergency and special vehicles (police, fire department, rescue services etc.)

Charging method

- Forklifts, construction machinery
- Solar applications
- Leisure and sports vehicles

Performance profil

- (caravans, mobile homes, sailing boats, motorised yachts, motor boats)

Applications

Type overview

Charging method

Performance profil

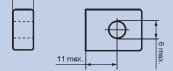
TECHNICAL DATA

Type	Voltage (V)	Dimensions (LxWxH/mm)	Weight (kg)	Capacity (20h/Ah)	Capacity (100h/Ah)	I (DIN)	Hold-down	Assembly	Terminal type	Useable for DIN-type
G16	12	181 x 76 x 167	5,9	16	—	65	—	0	5	—
G25*	12	176 x 167 x 126	9,7	24	27	—	—	0	5	—
G30	12	197 x 132 x 180	11,7	30	—	110	—	1	5	—
G40**	12	210 x 175 x 175	14,8	36	—	175	B4	0	5	—
G40S*	12	210 x 175 x 175	15,1	38	42	—	B4	0	1	—
G60	12	278 x 175 x 190	21,2	60	67	270	B3	0	1	956 02; 566 38; 574 12
G80	12	353 x 175 x 190	26,8	80	90	340	B3	0	1	958 03; 588 38; 588 27; 588 23
G85	12	330 x 171 x 236	31,6	85	95	270	—	1	1	—
G110	12	286 x 269 x 230	40,0	110	125	450	—	2	1	625 23
G120	12	513 x 189 x 223	40,7	120	130	450	—	3	1	961 51; 635 45
G120S*	12	345 x 175 x 290	40,5	120	130	—	—	0	1	—
G140	12	513 x 223 x 225	47,8	143	155	540	—	3	1	963 51; 680 32
G210	12	518 x 291 x 242	70,0	210	235	630	—	3	1	968 01; 680 21; 700 27; 720 18
G180/6*	6	244 x 190 x 275	30,0	180	205	—	—	1	1	—

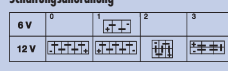
Terminal type 1



Terminal type 5



Schaltungsanordnung



* restricted to power supply
** especially vibration resistant, suitable for vibratory plates



Applications

Type overview

Charging method

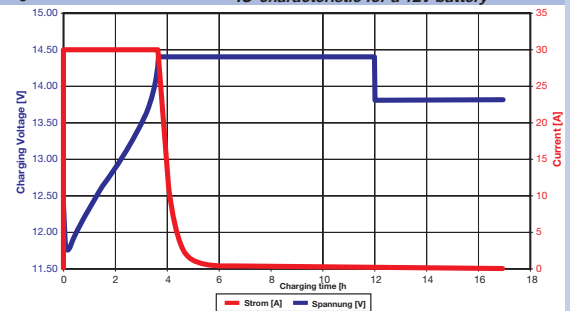
Performance profil

Only chargers following IU or IU₀U₁ charging characteristics should be used together with the given reference data

Charging curve for EXIDE GEL IU-characteristic for a 12V battery

EXTERNAL CHARGING OF EXIDE GEL-BATTERIES:

- I phase with current intensities of between 10 und 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:

- 14,2 V konstant

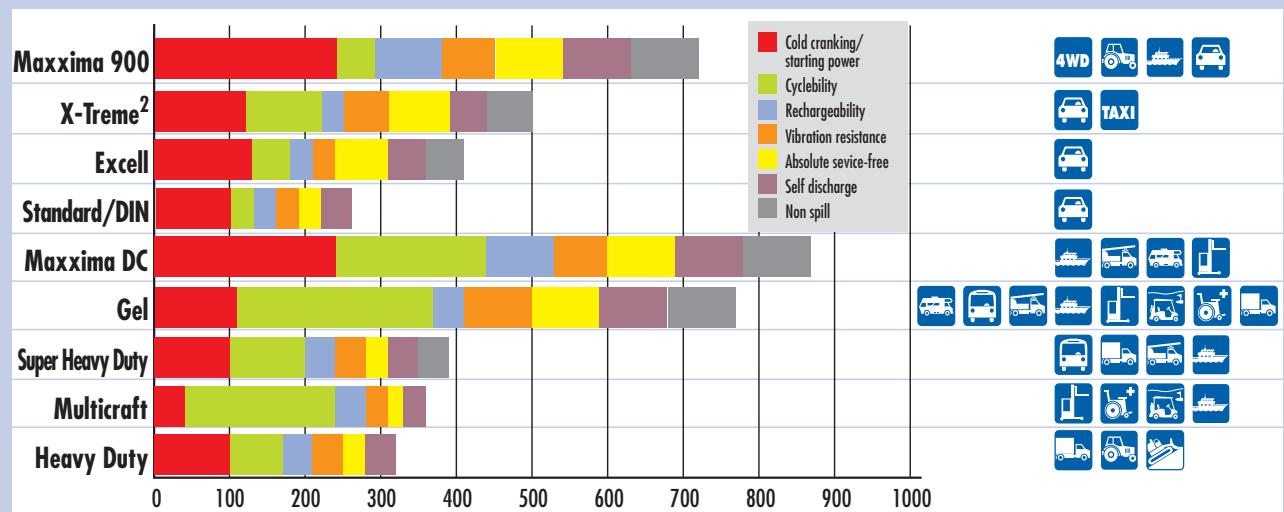
Applications

Type overview

Charging method

Performance profil

THE EXIDE RANGE COMPARED: PERFORMANCE BY SIZE



3400 4901 1/10/0801/Hell. EXIDE Production information 01.07.2001. Catalog subject to change without notice.

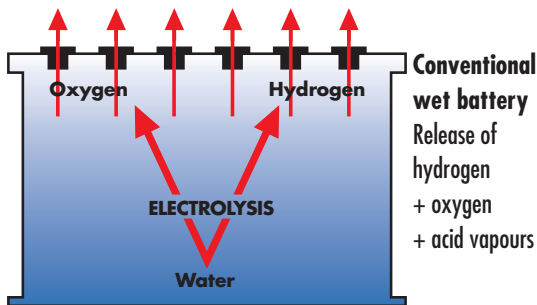
EXIDE GEL

Sealed technology with recombination

Maintenance-free, sealed battery system

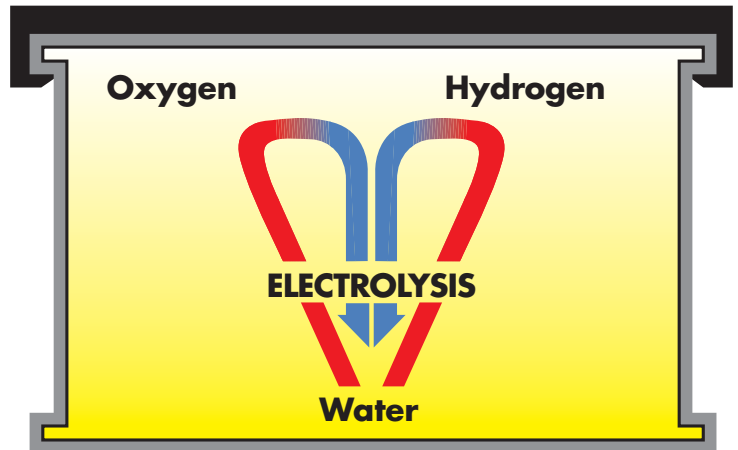
In an attempt to make the highly successful, fully perfected dryfit gel technology from Sonnenschein available to the automotive industry too, EXIDE has utilised its group synergies. The result is the new EXIDE GEL, a battery that combines the strengths of both dryfit battery types, the dryfit sportline 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.



EXIDE GEL

Sealed system with safety valves

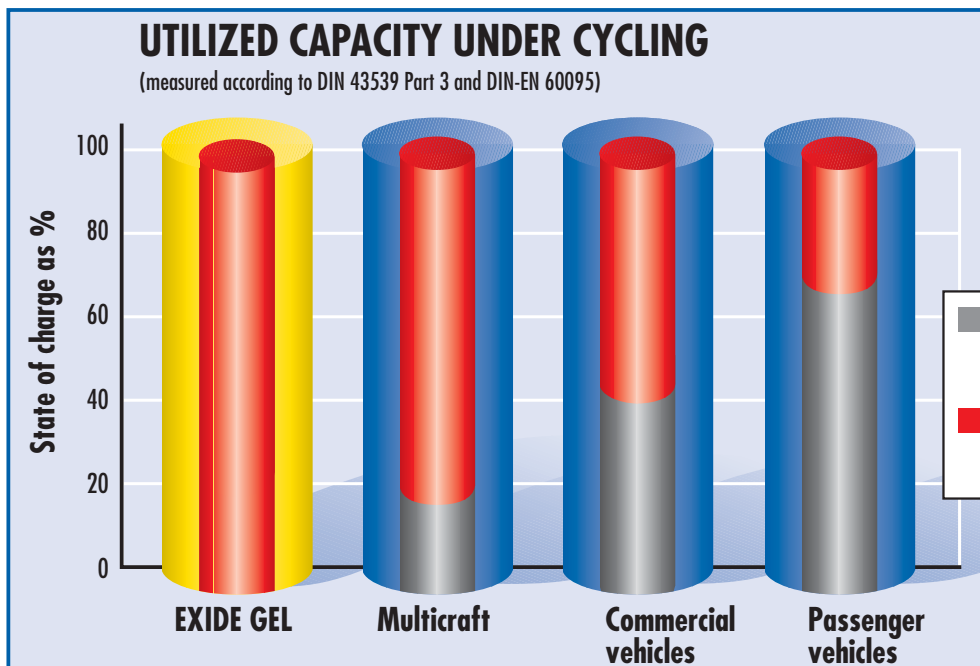


The recombination principle

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.

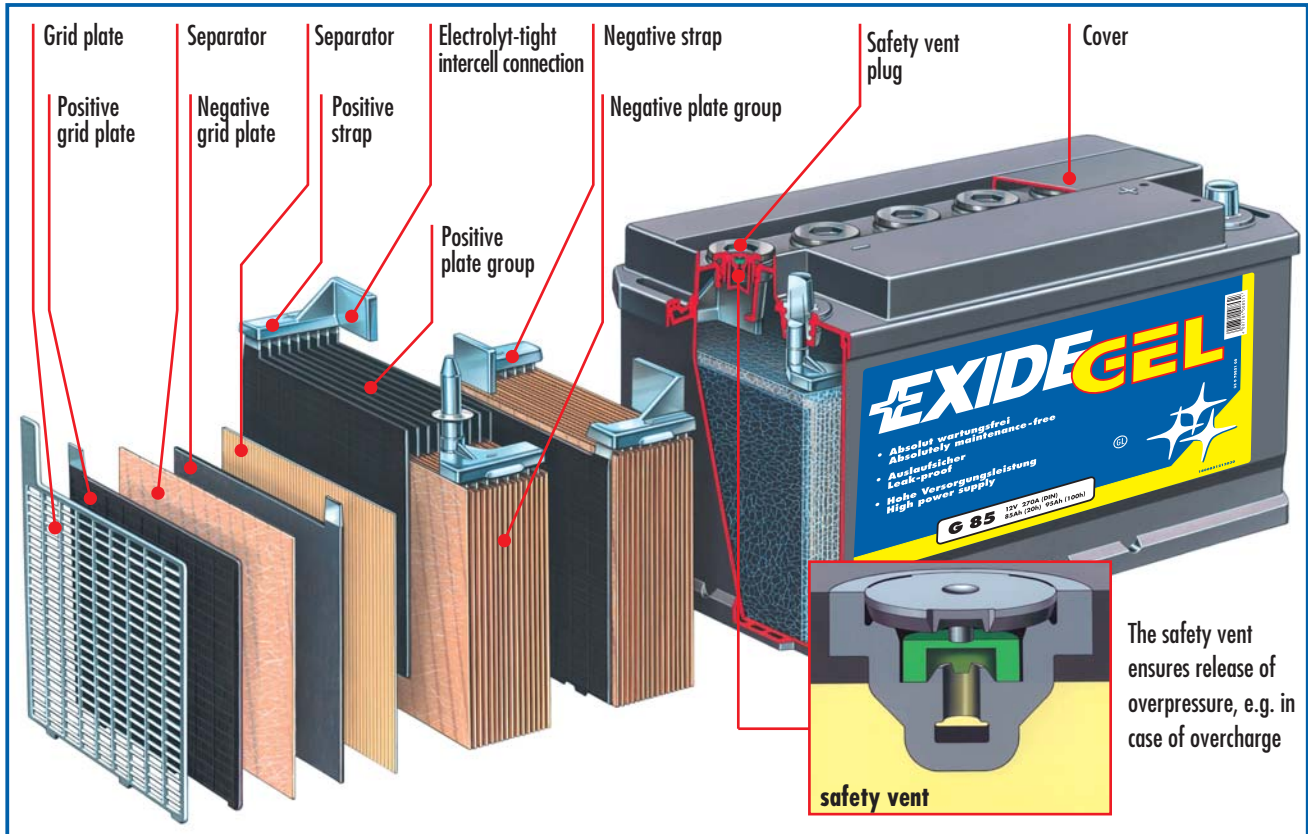
The EXIDE GEL is therefore completely maintenance-free.

More useable capacity



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 the full temperature range
- Minimal self-discharge
- Extremely high cycleability
- 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

Uses: 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

over the entire service life

30°