Setting the direction.

Light vehicle battery solutions
for every demand.

ENERGIZING
A NEW
WORLD

EXIDE
TECHNOLOGIES

Creating the future – the Exide way:

Innovation | Reliability | Sustainability | High Performance

exidegroup.com

We’re an inventive battery maker.

And also a pacemaker.

Never stop improving. Never stop innovating. Never stop progressing.

Exide Technologies’ promise to continue its push towards energy transition is evident. We provide one of the most extensive and diverse ranges of premium batteries for powertrain technologies – and as an original equipment manufacturer (OEM), we have the pedigree to deliver powerful solutions. An innovator, performer and leader, we are a trusted OE brand and a dependable partner for the aftermarket.

Exploring new horizons.

The need for sustainable mobility solutions has led to an irreversible trend of alternative drive systems – to reduce fuel consumption and emissions. This has resulted in large share of Start-Stop vehicles in the car parc, which require OE-compliant AGM & EFB batteries for maximum fuel savings. While also registrations of electrified vehicles (xEVs) are increasing year-on-year, they rely on state-of-the-art 12V lead acid batteries for critical vehicle functions – a new era is underway.

Equipment ORIGINAL Manufacturer

First choice for major European car brands.

Exide has been supplying lead-acid batteries to carmakers for over 100 years. We design the most technically advanced products in the industry, and were the first to introduce Start-Stop technology to the European market in 2004. Carmakers trust the quality of our products and our commitment to excellence in manufacturing.

Exide Technologies works with leading car manufacturers, including:

Abarth, Alfa Romeo, BMW, Citroen, Dacia, Ferrari, Fiat, Hyundai, IVECO, Jaguar, Jeep, Kia, Lancia, Land Rover, Ligier, Maserati, Mazda, Microlino, Mitsubishi, Nissan, Opel, Peugeot, Piaggio, Renault, Skoda, Suzuki, Toyota, Volvo.

Best batteries, bold design.

One label – one and only quality. The smart design shows how striking, and recognizable a portfolio can be.

Brand consistency
with a highly identifiable branding.

Clear color coding
by technology to simplify battery selection.

Compliance
with the latest European battery regulation.

Easy readability
presenting all essential information at a glance.

Feature	AGM	EFB	Premium	Excell	Classic

Vehicle requirements

Power source for e-mobility	ideal for all xEV’s	ideal for all xEV’s	check car fitment	check car fitment	check car fitment
Start-Stop powertrain	Replace AGM AGM – Recommended OE replacement	Replace EFB EFB – Recommended OE replacement	⊗	⊗	⊗
Non Start-Stop powertrain	⊗ Unless specified by vehicle manufacturer	Extra life for conventional vehicles	Faster recharge for high equipment level	Widest range to fit almost 100% of car park	€ Cost effective for older and more basic vehicles
Regenerative braking	■■■■■	■■■■□	⊗	⊗	⊗
Intensive urban use	■■■■■	■■■■□	■■■□□	■□□□□	■□□□□
Power-hungry equipment	■■■■■	■■■■■	■■■□□	■■□□□	■□□□□

Battery performance

CCA (cold cranking amperes)	■■■■■	■■■■□	■■■■■	■■■□□	■■□□□
Charge acceptance*	■■■■■	■■■■□	■■■□□	■□□□□	■□□□□
Cycle life	■■■■■	■■■■□	■■□□□	■□□□□	■□□□□
Extra energy**	■■■■■	■■■■□	■■■□□	■■□□□	■□□□□

* Charge acceptance (in A/Ah) ** Energy throughput during lifetime

Exide AGM

The best in class, with highest lifespan and performance.

Being the first means striving for excellence. Exide was the pioneer in introducing AGM batteries for Start-Stop systems back in 2004. Today, we continue to lead the way by bringing the latest and most advanced AGM battery technology from original equipment to the aftermarket.

Every product reflects the highest standards of leading car makers, especially to meet the demands of xEV's* in the transition to electric mobility.

Spare ORIGINAL Part

Carbon Boost

- High dynamic charge acceptance over battery lifespan
- Higher energy throughput over battery lifespan thanks to latest grid technology
- Optimized for partial state of charge operations (PSoC)
- Ideal for large cars, SUVs, vans, and vehicles with Start-Stop and power-hungry electrical equipment
- Recombinant VRLA (valve regulated) with top-level safety features
- Latest generation approved by car manufacturers
- Great car parc coverage from a limited number of SKUs
- Long shelf life
- Designed and built to endure continuous battery discharge and recharge of Start-Stop systems

Typical pattern of State of Charge (SoC) during a journey with Start-Stop system

- Regenerative braking

Sealed double security lid
with degassing outlet and flame arrestor

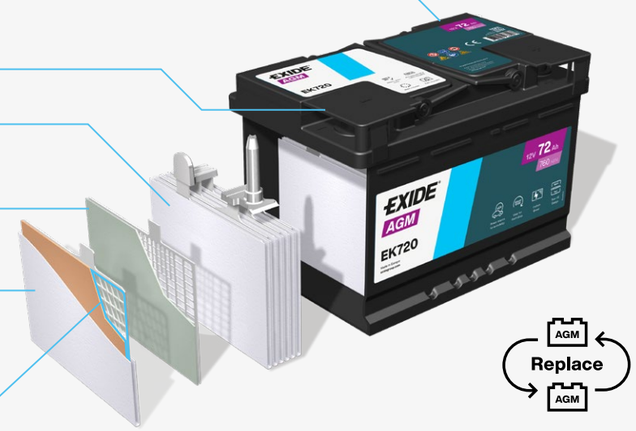
Exide unique
valve regulated venting

Tall plate group
with high compression

Negative plate
Framed negative plate

Positive plate
New framed grid design with high-tech alloy. The high-capillarity glass mat separator provides extra absorption for maximum electrolyte volume

Advanced framed grid
Exide's next-generation grid design with efficient geometry provides consistent power and longer battery life



Features for xEV

- High lifespan and performance stability over lifetime
- Lower Internal resistance, limited voltage drops on high power demands
- Best response for safety loads with high voltage threshold requirements (e.g. break/steer by wire) during evasive maneuvers, safe states, side-laning situations

Ideal 12V power source for auxiliary systems in xEV vehicles.

ADAS Support: Crucial for safety integrity, supports critical functions in driver assistance and vehicle safety.

* The special term xEV is the collective term for all types of electrified vehicles – whether micro hybrid or fully electric. EV stands for Electric Vehicle and the x stands for the different variants. Learn more on page 10.

Exide EFB

Approved by car makers.

Invented by Exide in 2008, EFB batteries play a crucial role in the automobile market. Exide offers the latest OE generation to the aftermarket, featuring our proprietary **Carbon Boost.** The Exide EFB battery **supports all vehicles, with or without Start-Stop systems.** It shows an unmatched energy recovery and exceptional dynamic charge acceptance.

- High dynamic charge acceptance over battery lifespan
- Extra energy and extra life for vehicles with and without Start-Stop systems
- Optimised regenerative braking functionality in vehicles with Start-Stop systems – ensuring maximum fuel savings and less CO_2 emissions
- High-level safety features
- Optimal operation in engine compartment
- Latest generation approved by car manufacturers
- Great car park coverage from a limited number of SKUs
- Long shelf life
- 75% more energy recovered in the same amount of time compared to older EFB
- Longer overall lifespan

Spare ORIGINAL Part

Carbon Boost

	Conventional battery	EFB battery with Carbon Boost
Charge acceptance		x2
Cycle life		x3
Energy availability		x3

Exide EFB offers significant performance advantages over a conventional battery also when fitted into a car without Start-Stop system.

Ideal 12V power source for auxiliary systems in xEV vehicles.

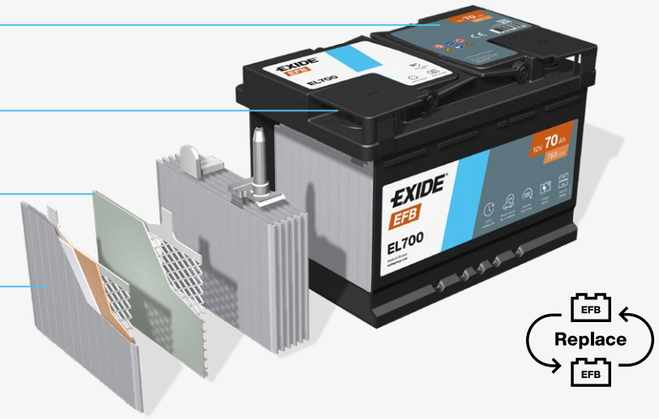
ADAS Support: Crucial for safety integrity, supports critical functions in driver assistance and vehicle safety.

Spill-proof security lid
with flame arrestor

Plate group
with medium compression

Negative plate
3DX grid with Carbon Boost

Positive plate
3DX grid and advanced glass mat retainer covering active mass.

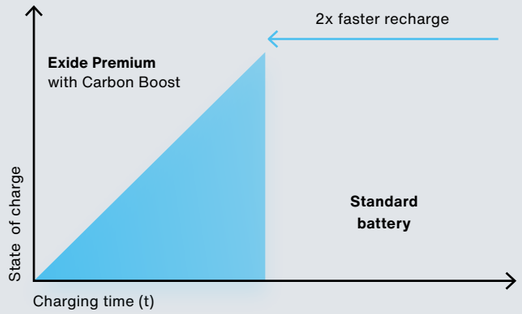


Carbon Boost

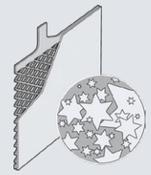
Carbon Boost® is Exide's unique recipe for carbon additives on the negative plates that was first developed for Exide's Start-Stop OEM batteries. Continuous investments in R&D, tighter emissions regulations, and the increasing demands from the OEMs in regards to charge acceptance and energy availability have lead to the development of the latest generation Carbon Boost.

Equipment ORIGINAL Manufacturer

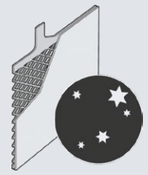
Carbon Boost uses improved carbon additives, combining an optimized surface structure with significantly better conductivity. This enables a better current flow within the battery, resulting in unmatched charge acceptance. It also helps to dissolve the lead sulfate deposits that usually form on a battery's discharged negative plates, reducing its ability to recharge efficiently.



Lab tests show that it takes significantly less time to recharge an Exide Premium Carbon Boost battery than a standard battery under the same conditions.



Without Carbon Boost®
The plates are covered with sulfate



With Carbon Boost®
Sulfate is reduced due to Carbon Boost technology

Exide Premium

OEM experience for the aftermarket.

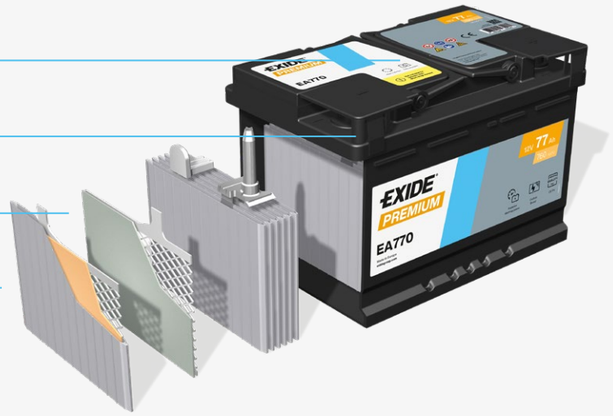
Spare ORIGINAL Part

Carbon Boost

The latest Premium with Carbon Boost recharges up to two times faster compared to other conventional batteries, thanks to Exide's proprietary application of carbon additives on the negative plates. While battery failure remains the number one cause of car breakdowns*, fast recharging considerably reduces the risk of breakdowns by helping the battery retain a healthy state of charge for longer.

The Premium Carbon Boost battery is designed to withstand extreme temperature, power-hungry electrical equipment, and intensive urban driving.

- Made with recycled plastic components to reduce CO_2 emissions by over 2,700 tons and to save 8 million liters of water and 1.2 million liters of crude oil every year
- Latest plate design for greater robustness and increased resistance to high temperatures
- 'CAUTION' label to prevent conventional batteries being installed in Start-Stop vehicles
- 30 % extra starting power
- Ideal for highly equipped cars with powerful engines and demanding electrical needs
- Ideal for extreme weather and urban driving conditions
- 3DX grid technology
- Original equipment experience inside – meets OE requirements
- Faster recharging (2x times faster than other conventional batteries)
- Longer lifespan (higher average state-of-charge throughout battery life)



*Source: ADAC 2025

Exide Excell

All-round battery for standard use.

- 'CAUTION' label to avoid conventional batteries being installed in Start-Stop vehicles
- 15 % extra starting power
- All-round battery for standard use
- 3DX grid technology

Exide Classic

Ideal for vehicles with basic energy demands.

- 'CAUTION' label to avoid conventional batteries being installed in Start-Stop vehicles
- Economy solution
- Ideal for cars with basic power needs
- 3DX grid technology

Installation advice on top labels – always equipped safely.

Exide was a first-mover in adding a distinctive 'CAUTION' label on its Premium, Excell, and Classic standard flooded batteries to ensure that they are not installed into cars that are equipped with a Start-Stop system.

Not suitable for vehicles with Start-Stop system

Good to know!

Hot weather significantly impairs battery performance. But it is during the cold season that more energy is needed for light and heating. **Hot weather accelerates self-discharge, grid corrosion and active material shedding.** It could lead to shorter service life if batteries are not reinforced for extreme climates.

In urban environments the engine is often turned off or idles, and the electrical system may consume more power than the alternator can supply. This puts extra pressure on the battery. **Power-hungry electrical equipment,** such as media players or navigation equipment, put extra pressure on the battery.

Supporting the change of tomorrow.

The automotive industry is facing a major transition.

EU regulations lead the way to cleaner transportation and therefore drive the development of various types of electric vehicles. In this changing world, Exide Technologies continues to create new batteries to enable future vehicles to reduce CO_2 emissions even further and improve overall driving efficiency and safety.

The electrification of vehicles has evolved.

Here is an overview of electrified vehicles. The special term xEV is the collective term for all types – whether micro hybrid or fully electric.
EV stands for **E**lectric **V**ehicle and the **x** stands **for the different variants**.

Feature	Start-Stop Micro hybrid	Mild hybrid	Full hybrid	Plug-in hybrid	Electric
Propulsion	Internal combustion engine	Internal combustion engine	Internal combustion engine + electric drive (10-30km)	Internal combustion engine + electric drive (50-100km)	Electric drive (200-500km)
Fuel	Petrol/diesel	Petrol/diesel	Petrol	Petrol + electric	Electric
(Hybrid) type	Micro	MHEV (mild)	FHEV	PHEV	BEV

The essential role of the 12V lead-acid battery.

The job description of the 12V battery does not fit on a business card. It is responsible for so many things; **nothing works without it.** It provides the necessary energy to activate the safety relay and connect the high-voltage battery to the board net and electric engine.

Read more in the xEV brochure.

On eye-level with progress.

ADAS and AV continue to evolve, so at some point, you will be able to drive from A to B fully autonomously. It makes the role of 12V batteries increasingly crucial to ensure reliability and safety in every moment and in every electric vehicle.

Advanced Driver Assistance Systems (ADAS)

Autonomous vehicles (AV)

Parking

Main electrical loads are on the 12V battery

- Standby power for security systems (alarm system, sensors, cameras)
- Standby power to several ECUs and memory
- Door locking (+ possibly BT or WiFi for hands-free access via mobile, or remote access/ control via app etc.)*

* Refers to BEV

Charging

Main electrical loads are on the 12V battery

- Initialization and monitoring of the charging process

Starting

Main electrical loads are on the 12V battery

- When the lead-acid battery is discharged, the car cannot start
- Provide power to the relays/ safety contactors to activate the HV battery

Driving

Main electrical loads on the DC/DC converter, 12V battery as backup

- Backup system capable of directly powering specific secondary loads
- Stabilizes overall electrical system voltage

System failure

Main electrical loads are shifted from DC/DC to 12V battery

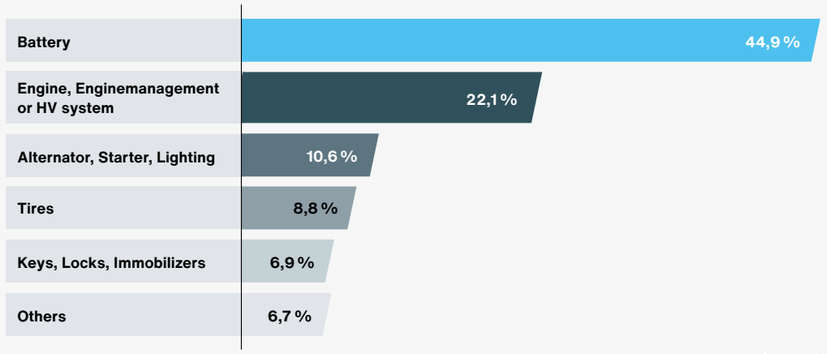
- Power support to safety-critical loads such as power steering, ABS and brake boosting, door locks, emergency lights and e-call system (if installed) as the main power unit
- Critical function in case of system failure

Be your customers first choice.

45 % of car breakdowns are caused by the 12V battery system. 100 % maintenance can change that.

E-mobility is in the fast lane towards the future. The 12V battery in the xEV feeds many more electronic and safety-relevant systems compared to the combustion engine. More load means more abrasion and more risks for road safety. That is why it is particularly important to offer a battery test service for all types of vehicles. 5 minutes is all it takes to ensure that a failing battery is replaced on-time and customers have a safe ride.

Reasons for car breakdown*



* Source: ADAC Breakdown Statistics for Germany 2025

Always at your side. Always at hand.

Integrality turns us into a partner. Just as you are there for your customers, we are there for you. With expertise, advice and tools.

Workshops are evolving to meet changing vehicle needs, including fitments, replacements, and advanced diagnostics. Exide Technologies is already setting standards today in providing customers with future-proof solutions and programs making them fit for the future.

Selecting

Battery Finder
The Exide Battery Finder guides to easily find the right battery.

Download on the App Store · GET IT ON Google Play

Scan the code to open the Battery Finder.

Charging

Battery Charger

Testing

Battery Tester EBT965P & Battery Tester app

Replacing

Replacement Tool BRT-12

Replacement Guide

Power whenever and wherever you need it.

Find out more about the battery details.

Exide	Performance		Dimensions				Technical characteristics		
Code	Capacity Ah	CCA A (en)	Container	L (mm)	H (mm)	W (mm)	Hold down	Polarity	Terminal
AGM									
EK620	62	680	L02	242	175	190	B13	ETN 0	1
EK720	72	760	L03	278	175	190	B13	ETN 0	1
EK820	82	800	L04	315	175	190	B13	ETN 0	1
EK960	96	850	L05	353	175	190	B13	ETN 0	1
EK1060	106	950	L06	392	175	190	B13	ETN 0	1
EK454	45	380	B24	237	227	127	B0	ETN 0	JIS taper post
EK457	45	380	B24	237	227	127	B0	ETN 1	JIS taper post
EK013	1,2	18	C20	97	58	43	B0	ETN 4	Faston S (4,8)
EK091	9	120	C54	150	90	105	B0	ETN 1	M12
EK111	11	150	C55	150	90	130	B0	ETN 1	M04
EK131	13	200	C56	150	90	145	B0	ETN 1	M04
EK151	15	200	C76	150	100	100	B0	ETN 3	Screwed/lug
EK143	14	80	C56	150	90	145	B0	ETN 1	Small taper post
EFB									
EL550	55	540	L01	207	175	190	B13	ETN 0	1
EL600	60	640	L02	242	175	190	B13	ETN 0	1
EL604	60	520	D23	230	173	222	B0	ETN 0	1
EL605	60	520	D23	230	173	222	B0	ETN 1	1
EL652	65	650	LB3	278	175	175	B13	ETN 0	1
EL700	70	760	L03	278	175	190	B13	ETN 0	1
EL752	75	730	LB4	315	175	175	B13	ETN 0	1
EL754	75	750	D26	270	173	222	B0	ETN 0	1
EL800	80	800	L04	315	175	190	B13	ETN 0	1
EL954	95	800	D31	306	173	222	Korean B1	ETN 0	1
EL955	95	800	D31	306	173	222	Korean B1	ETN 1	1
EL1000	100	900	L05	353	175	190	B13	ETN 0	1
EL1050	105	950	L06	392	175	190	B13	ETN 0	1

Premium

EA406	40	350	B19	187	136	220	B1	ETN 0	JIS taper post + adapter
EA456	45	390	B24	237	136	227	B1	ETN 0	3 + adapter
EA472	47	450	LB1	207	175	175	B13	ETN 0	1
EA530	53	540	L01	207	175	190	B13	ETN 0	1
EA601	60	600	L02	242	175	190	B13	ETN 1	1
EA612	61	600	LB2	242	175	175	B13	ETN 0	1
EA640	64	640	L02	242	175	190	B13	ETN 0	1
EA654	65	580	D23	230	173	222	Korean B1	ETN 0	1
EA680	68	650	S68	277	175	190	B13/Adapteur	ETN 0	1
EA681	68	650	S68	277	175	190	B13/Adapteur	ETN 1	1
EA722	72	720	LB3	278	175	175	B13	ETN 0	1
EA754	75	630	D26	270	173	222	Korean B1+B6	ETN 0	1
EA755	75	630	D26	270	173	222	Korean B1+B6	ETN1	1
EA770	77	760	L03	278	175	190	B13	ETN 0	1
EA852	85	800	LB4	315	175	175	B13	ETN 0	1
EA900	90	720	L04	315	175	190	B13	ETN 0	1
EA954	95	800	D31	306	173	222	Korean B1	ETN 0	1
EA955	95	800	D31	306	173	222	Korean B1	ETN 1	1
EA1000	100	900	L05	353	175	190	B13	ETN 0	1
EA1050	105	850	LH4	315	175	205	B13	ETN 0	1

Exide	Performance		Dimensions				Technical characteristics		
Code	Capacity Ah	CCA A (en)	Container	L (mm)	H (mm)	W (mm)	Hold down	Polarity	Terminal
Excell									
EB320	32	270	E01	178	135	225	B1	ETN 0	1
EB356	35	240	B19	187	127	220	B0	ETN 0	3
EB356A	35	240	B19	187	136	220	Korean B1 Long	ETN 0	3
EB357	35	240	B19	187	127	220	B0	ETN 1	3
EB440	44	400	L00	175	175	190	B13	ETN 0	1
EB442	44	420	LB1	207	175	175	B13	ETN 0	1
EB450	45	330	E02	220	135	225	B1	ETN 0	1
EB451	45	330	E02	220	135	225	B1	ETN 1	1
EB454	45	330	B24	237	127	227	B0	ETN 0	1
EB455	45	330	B24	237	127	227	B0	ETN 1	1
EB456	45	330	B24	237	127	227	B0	ETN 0	3
EB457	45	330	B24	237	127	227	B0	ETN 1	3
EB500	50	450	L01	207	175	190	B13	ETN 0	1
EB501	50	450	L01	207	175	190	B13	ETN 1	1
EB504	50	360	D20	200	173	222	Korean B1	ETN 0	1
EB505	50	360	D20	200	173	222	Korean B1	ETN 1	1
EB558	55	620	575	230	180	186	B7	ETN 1	SAE S side Terminal 3/8"
EB602	60	540	LB2	242	175	175	B13	ETN 0	1
EB604	60	480	D23	230	173	222	Korean B1	ETN 0	1
EB605	60	480	D23	230	173	222	Korean B1	ETN 1	1
EB620	62	540	L02	242	175	190	B13	ETN 0	1
EB621	62	540	L02	242	175	190	B13	ETN 1	1
EB704	70	540	D26	270	173	222	Korean B1+B6	ETN 0	1
EB705	70	540	D26	270	173	222	Korean B1+B6	ETN 1	1
EB708	70	740	G78	260	180	186	B7	ETN 1	SAE S side Terminal 3/8"
EB712	71	670	LB3	278	175	175	B13	ETN 0	1
EB740	74	680	L03	278	175	190	B13	ETN 0	1
EB741	74	680	L03	278	175	190	B13	ETN 1	1
EB800	80	640	L04	315	175	190	B13	ETN 0	1
EB802	80	700	LB4	315	175	175	B13	ETN 0	1
EB852	85	760	LB5	353	175	175	B13	ETN 0	1
EB858	85	800	G65	306	192	192	B1	ETN 1	EN taper post
EB950	95	800	L05	353	175	190	B13	ETN 0	1
EB954	95	760	D31	306	173	222	Korean B1	ETN 0	1
EB955	95	760	D31	306	173	222	Korean B1	ETN 1	1
EB1000	100	720	LH4	315	175	205	B13	ETN 0	1
EB1100	110	850	L06	392	175	190	B13	ETN 0	1

Classic

EC440	44	360	L01	207	175	190	B13	ETN 0	1
EC542	54	500	LB2	242	175	175	B13	ETN 0	1
EC550	55	460	L02	242	175	190	B13	ETN 0	1
EC605	60	440	D26	270	173	222	Korean B1+B6	ETN 1	1
EC652	65	540	LB3	278	175	175	B13	ETN 0	1
EC700	70	640	L03	278	175	190	B13	ETN 0	1
EC900	90	720	L05	353	175	190	B13	ETN 0	1
EC904	90	680	D31	306	173	222	Korean B1	ETN 0	1
EC905	90	680	D31	306	173	222	Korean B1	ETN 1	1

A role model for the circular economy!

Exide Technologies operates three recycling facilities in Europe. 99% of automotive lead-acid batteries are recycled in Europe. 100% of a lead-acid battery can be recycled.*

3
Exide recycling facilities in Europe

100 %
of a lead battery can be recycled

99 %
of all automotive lead batteries are recycled in Europe

* Source: Eurobat Report 2021

Energy that goes beyond.

- Automotive plant
- Industrial plant
- R&D facility
- Recycling
- Global HQ
- Principal sales offices
  + sales offices and distribution centers worldwide

All manufacturing plants **ISO 9001** certified

All automotive plants **IATF 16949** certified

All manufacturing plants **ISO 14001** certified

All manufacturing plants **ISO 50001** certified

Most manufacturing plants **ISO 45001** certified

exidegroup.com

ENERGIZING A NEW WORLD

EXIDE® TECHNOLOGIES