

# ALL RANGES BATTERY SOLUTIONS



# A WIDE RANGE OF BATTERY SOLUTIONS

Exide designs, manufactures and markets battery technologies used across a wide range of vehicle types, including cars, trucks, boats, caravans and motorhomes, motorbikes, special vehicles, and agriculture and construction equipment. We provide a full range of OE-calibre products made to the highest quality standards in our world-class manufacturing facilities.

PAGE 2  
LIGHT VEHICLE RANGE

PAGE 6  
COMMERCIAL VEHICLE RANGE

PAGE 10  
MARINE AND LEISURE RANGE

PAGE 14  
MOTORBIKE AND SPORT RANGE

## LIGHT VEHICLE RANGE

### Bringing OE innovation to the independent aftermarket

Exide is introducing its next generation of light-vehicle batteries. The range was developed in Exide's original equipment business, and is specially optimised for the most advanced powertrain technologies coming to market now and in the years ahead. It provides unparalleled performance and the reassurance of a leading OE brand. Exide also offers a suite of professional accessories, allowing workshops to provide customers with the highest level of service.

AGM	EFB	PREMIUM	EXCELL	CLASSIC
START-STOP		CONVENTIONAL		

### VEHICLE REQUIREMENTS

	AGM	EFB	PREMIUM	EXCELL	CLASSIC
START-STOP POWERTRAIN	Recommended OE Replacement	Recommended OE Replacement	<b>CAUTION</b> NOT SUITABLE for vehicles with START-STOP system		
NON START-STOP POWERTRAIN	Unless specified by vehicle manufacturer	<b>EXTRA LIFE</b> for conventional vehicles	<b>CARBON BOOST®</b> Faster recharge for high equipment level	<b>WIDEST RANGE</b> to fit almost 100% of car parc	<b>COST EFFECTIVE</b> for older and more basic vehicles
REGENERATIVE BRAKING	■■■■■	■■■■□			
INTENSIVE URBAN USE	■■■■■	■■■■□	■■■□□	■□□□□	■□□□□
POWER HUNGRY EQUIPMENT	■■■■■	■■■■■	■■■□□	■□□□□	■□□□□

### BATTERY PERFORMANCE

	AGM	EFB	PREMIUM	EXCELL	CLASSIC
CCA COLD CRANKING AMPERES	■■■■■	■■■■□	■■■■■	■■■□□	■■□□□
CHARGE ACCEPTANCE*	■■■■■	■■■■□	■■■□□	■□□□□	■□□□□
CYCLE LIFE	■■■■■	■■■■□	■■□□□	■□□□□	■□□□□
EXTRA ENERGY**	■■■■■	■■■■□	■■■□□	■□□□□	■□□□□

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

## EXIDE AGM



### Benefits

- Top charge acceptance
- Higher energy throughput over battery lifespan thanks to new LifeGrid® technology
- Optimised for partial state of charge operations
- Ideal for large cars, SUVs, vans and vehicles with Start-Stop and power-hungry electrical equipment
- Top-level safety features and absolutely no free acid
- Recombinant VRLA (valve regulated)
- Latest generation approved by car manufacturers
- Great car parc coverage from a limited number of SKUs
- Long shelf life

## EXIDE EFB



### Benefits

- High dynamic charge acceptance over life of battery
- Extra energy 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<sub>2</sub> emissions
- High-level safety features
- Optimal operation in engine compartment
- Latest generation approved by car manufacturers
- Great car parc coverage from a limited number of SKUs
- Long shelf life

## EXIDE PREMIUM



### Benefits

- Recharges up to 2 times faster compared to other conventional batteries
- Latest plate design for greater robustness and increased resistance to high temperatures
- New recycled plastic components to reduce pollutant emissions
- 30% extra starting power
- Ideal for highly equipped cars with powerful engines and demanding electrical needs
- Ideal for extreme weather and urban driving conditions
- Original equipment experience inside
- Meets OE requirements
- Comprehensive range covering around 90% of car parc

## EXIDE EXCELL



### Benefits

- Updated top label –'CAUTION' label to avoid conventional batteries to be installed on Start-Stop vehicles
- 15% extra starting power
- All-round battery for standard use
- Complete range covering almost 100% of car parc
- Original equipment experience inside

## EXIDE CLASSIC



### Benefits

- Updated top label –'CAUTION' label to avoid conventional batteries to be installed on Start-Stop vehicles
- Economy solution
- Ideal for cars with basic power needs

## START-STOP AUXILIARY



### The reliable secondary battery

Auxiliary batteries power the electrical equipment in certain cars, as a complement to the main starter battery.

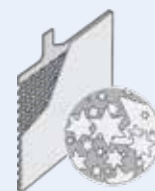
### Benefits:

- 3 times higher cycle life
- Long shelf life
- VRLA (valve regulated) for leak-proof security
- Original equipment experience inside

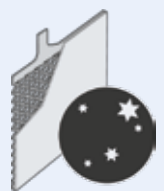
# CARBON BOOST 2.0

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 led to the development of the new **Carbon Boost 2.0**.

Carbon Boost 2.0 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 consolidate on a battery's discharged negative plates, reducing its ability to charge back efficiently.


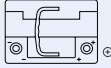




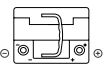
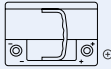
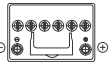
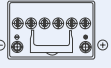




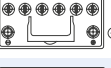
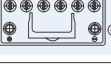

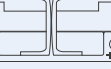








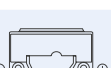
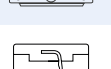

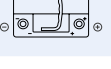
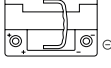
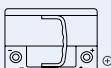




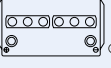







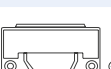
**WITHOUT CARBON BOOST**  
The plates are covered with sulfate





























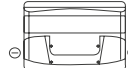
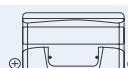
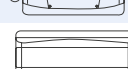
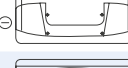
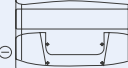

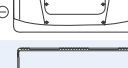
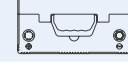
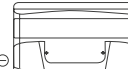













**WITH CARBON BOOST**  
Sulfate is reduced due to Carbon Boost technology

# LIGHT VEHICLE TYPE LIST

Code	Capacity Ah	CCA (EN)	Assembly drawing	L x W x H (mm)	Box Type	Hold down
<b>EXIDE AGM</b>						
EK508	50	800		260 173 206	G34	B7
EK600	60	680		242 175 190	L02	B13
EK700	70	760		278 175 190	L03	B13
EK800	80	800		315 175 190	L04	B13
EK950	95	850		353 175 190	L05	B13
EK1050	105	950		392 175 190	L06	B13
<b>EXIDE EFB</b>						
EL550	55	480		207 175 190	L01	B13
EL600	60	640		242 175 190	L02	B13
EL604	60	520		230 173 222	D23	B0
EL605	60	520		230 173 222	D23	B0
EL652	65	650		278 175 175	LB3	B13
EL700	70	720		278 175 190	L03	B13
EL752	75	730		315 175 175	LB4	B13
EL800	80	720		315 175 190	L04	B13
EL954	95	800		306 173 222	D31	Korean B1
EL955	95	800		306 173 222	D31	Korean B1
EL1000	100	900		353 175 190	L05	B13
EL1050	105	950		392 175 190	L06	B13
<b>START-STOP AUXILIARY</b>						
EK091	9	120		150 90 105	C54	B0
EK111	11	150		150 90 130	C55	B0
EK131	13	200		150 90 145	C56	B0
EK143	14	80		150 100 100	C76	B0
EK151	15	200		150 90 145	C56	B0

Code	Capacity Ah	CCA (EN)	Assembly drawing	L x W x H (mm)	Box Type	Hold down
<b>EXIDE PREMIUM</b>						
EA406	40	350		187 136 220	B19	B1
EA456	45	390		237 136 227	B24	B1
EA472	47	450		207 175 175	LB1	B13
EA530	53	540		207 175 190	L01	B13
EA601	60	600		242 175 190	L02	B13
EA612	61	600		242 175 175	LB2	B13
EA640	64	640		242 175 190	L02	B13
EA654	65	580		230 173 222	D23	Korean B1
EA680	68	650		277 175 190	S68	B13/ Adapter
EA681	68	650		277 175 190	S68	B13/ Adapter
EA722	72	720		278 175 175	LB3	B13
EA754	75	630		270 173 222	D26	Korean B1+B6
EA755	75	630		270 173 222	D26	Korean B1+B6
EA770	77	760		278 175 190	L03	B13
EA852	85	800		315 175 175	LB4	B13
EA900	90	720		315 175 190	L04	B13
EA954	95	800		306 173 222	D31	Korean B1
EA955	95	800		306 173 222	D31	Korean B1
EA1000	100	900		353 175 190	L05	B13
EA1050	105	850		315 175 205	LH4	B13

Code	Capacity Ah	CCA (EN)	Assembly drawing	L x W x H (mm)	Box Type	Hold down
<b>EXIDE EXCELL</b>						
EB320	32	270		178 135 225	E01	B1
EB356	35	240		187 127 220	B19	B0
EB356A	35	240		187 136 220	B19	Korean B1 Long
EB357	35	240		187 127 220	B19	B0
EB440	44	400		175 175 190	L00	B13
EB442	44	420		207 175 175	LB1	B13
EB450	45	330		220 135 225	E02	B1
EB451	45	330		220 135 225	E02	B1
EB454	45	380		237 127 227	B24	B0
EB455	45	380		237 127 227	B24	B0
EB456	45	380		237 127 227	B24	B0
EB457	45	380		237 127 227	B24	B0
EB500	50	450		207 175 190	L01	B13
EB501	50	450		207 175 190	L01	B13
EB504	50	360		200 173 222	D20	Korean B1
EB505	50	360		200 173 222	D20	Korean B1
EB558	55	620		230 180 186	G75	B7
EB602	60	540		242 175 175	LB2	B13
EB604	60	480		230 173 222	D23	Korean B1
EB605	60	480		230 173 222	D23	Korean B1
EB620	62	540		242 175 190	L02	B13
EB621	62	540		242 175 190	L02	B13
EB704	70	540		270 173 222	D26	Korean B1+B6
EB705	70	540		270 173 222	D26	Korean B1+B6
EB708	70	740		260 180 186	G78	B7
EB712	71	670		278 175 175	LB3	B13

Code	Capacity Ah	CCA (EN)	Assembly drawing	L x W x H (mm)	Box Type	Hold down
<b>EXIDE EXCELL</b>						
EB740	74	680		278 175 190	L03	B13
EB741	74	680		278 175 190	L03	B13
EB800	80	640		315 175 190	L04	B13
EB802	80	700		315 175 175	LB4	B13
EB852	85	760		353 175 175	LB5	B13
EB858	85	800		306 192 192	G65	B1
EB950	95	800		353 175 190	L05	B13
EB954	95	760		306 173 222	D31	Korean B1
EB955	95	760		306 173 222	D31	Korean B1
EB1000	100	720		315 175 205	LH4	B13
EB1100	110	850		392 175 190	L06	B13
<b>EXIDE CLASSIC</b>						
EC400	40	320		175 175 190	L00	B13
EC412	41	370		207 175 175	LB1	B13
EC440	44	360		207 175 190	L01	B13
EC542	54	500		242 175 175	LB2	B13
EC550	55	460		242 175 190	L02	B13
EC605	60	440		270 173 222	D26	Korean B1+B6
EC652	65	540		278 175 175	LB3	B13
EC700	70	640		278 175 190	L03	B13
EC900	90	720		353 175 190	L05	B13
EC904	90	680		306 173 222	D31	Korean B1
EC905	90	680		306 173 222	D31	Korean B1

# COMMERCIAL VEHICLE RANGE

As a true expert in OE batteries, Exide helps you select the right battery. For fleet owners and installers alike, it is vital to make the right choice for the conditions of use. Three important criteria to consider in battery performance are: vibration resistance, cycling endurance and cranking power

**STRONG  
PRO EFB+**

**ENDURANCE  
PRO EFB**

**ENDURANCE  
+PRO GEL**

**POWER  
PRO**







**POWERPRO  
AGRI & CONSTRUCTION**

**START  
PRO**

## RANGE OVERVIEW & FEATURES

	STRONG PRO EFB+	ENDURANCE PRO EFB	ENDURANCE +PRO GEL	POWER PRO	POWERPRO AGRI & CONSTRUCTION	START PRO
VIBRATION RESISTANCE	■■■■■	■■■■■	■■■■□	■■■■□	■■■■□	■■■■□
CYCLING ENDURANCE	■■■■□	■■■■□	■■■■■	■■■■□	■■■■□	■■■■□
CRANKING POWER	■■■■□	■■■■□	■■■■□	■■■■■	■■■■■	■■■■□
CHARGE ACCEPTANCE	■■■■■	■■■■□	■■■■■	■■■■□	■■■■□	■■■■□
MAINTENANCE	Free	Low	Free	Free	Free	Low

## BATTERY RECOMMENDATION BY VEHICLE TYPE & APPLICATION

TYPE OF VEHICLES	APPLICATION	STRONG PRO EFB+	ENDURANCE PRO EFB	ENDURANCE +PRO GEL	POWER PRO	POWERPRO AGRI & CONSTRUCTION	START PRO
 Long-haul modern trucks, standard trucks	REAR-CHASSIS INSTALLATION / ROUGH TERRAIN, HIGH VIBRATIONS	✓	✓ <sup>1</sup>				
 Express delivery (lifters), city bus	POWER-HUNGRY EQUIPMENT, DEEP CYCLING APPLICATIONS	✓		✓ <sup>2</sup>			
 Long-haul modern trucks	OVERNIGHT STOP / HOTEL FUNCTION	✓	✓ <sup>1</sup>				
 Standard trucks or vehicles with large/highly compressed engines	EXTREME CLIMATE AND/OR HIGH CCA REQUIREMENTS				✓		
 Tractors, construction machines	SPECIAL VEHICLES					✓ <sup>3</sup>	
 Standard trucks	STANDARD REQUIRMENTS / OLDER VEHICLE						✓ <sup>3</sup>

### NOTES

<sup>1</sup>

- Please top up the battery with distilled water if needed
- The charging system must be compatible with Sb/Ca alloy

If these conditions are not met, choose the **STRONG PRO EFB+**

<sup>2</sup>

ENDURANCE+ PRO GEL requires charging voltage limitation to max 14,4V. If not compatible, choose the **STRONG PRO EFB+**

<sup>3</sup>

Top up with distilled water when needed (depending on battery model)

# THREE MAIN FACTORS WHEN SELECTING THE RIGHT BATTERY



## VIBRATION RESISTANCE

For trucks with rear-chassis battery installations (e.g. Euro 5/ Euro 6 trucks), robust and high vibration-resistant batteries are mandatory to avoid breakdowns. Vibration resistance is also required for any vehicle operating on bad roads or rough terrain.



## CYCLING ENDURANCE

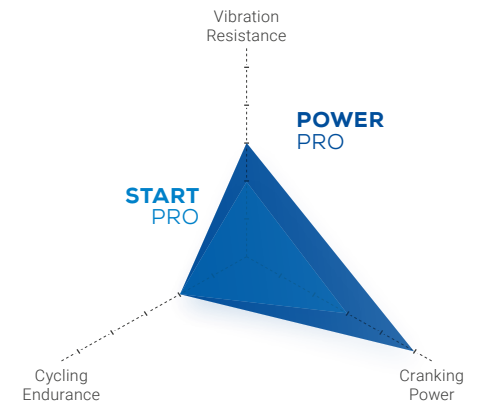
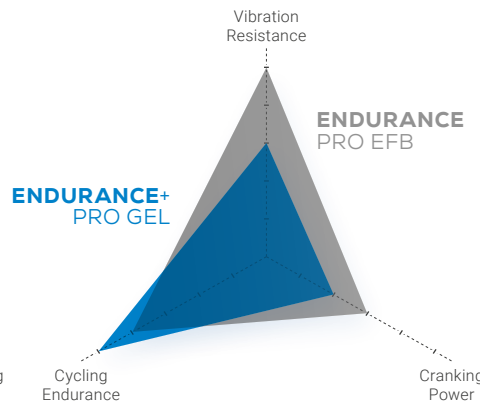
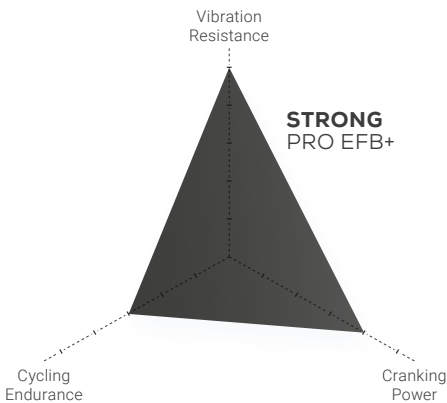
High cycling endurance is important in batteries for long-haul trucks with life on-board, commercial vehicles doing intensive urban deliveries, and any commercial vehicle with extensive energy requirements. This maximizes battery lifespan and ensures a safe battery start.



## CRANKING POWER

High cranking power allows for engine starts in cold climates and is required from many agriculture and construction vehicles with reliable starting power requirements.

# THE PERFECT BATTERY FOR EVERY NEED



# HVR® TECHNOLOGY

## New features in the robust battery design

Several economic factors (higher fuel costs, higher road taxes, higher toll & parking charges, and higher charges to enter low emission zones) have led fleet owners to upgrade by purchasing new Euro 5 or Euro 6 vehicles, thus reducing particulate matter and NOx emissions.

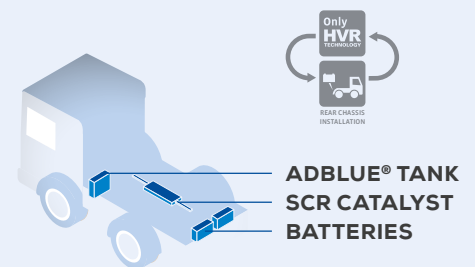
Many Euro 5/Euro 6 vehicles have a new chassis layout to integrate the Selective Catalytic Reduction (SCR) system and AdBlue tank, leading truck manufacturers to move batteries into the rear-chassis position.

## New challenges, new solution

The lifespan of ordinary batteries is greatly reduced by higher vibrations at the rear of the chassis of the vehicle. In 2016 Exide worked with truck manufacturers to develop the new High Vibration Resistant (HVR®) battery in the market, one of the first to meet the new V4\* vibration test.

HVR guarantees a longer battery lifespan even when installed in the rear chassis of a truck.

\* EN50342-1





## STRONG PRO EFB+

carbon boost 20 V4 HVR

SPARE ORIGINAL PART

### Benefits

- Better rechargeability and charge acceptance than previous generation StrongPRO
- Better control over gassing and stronger anti-stratification effect
- Extremely robust – with HVR® technology, meeting V4 requirements
- Up to 70% savings on TCO within 2 years period when compared with standard batteries
- Maximum starting reliability after overnight stay
- OE experience inside
- First class safety features
- Maintenance free - no topping up



## ENDURANCE PRO EFB

V4 HVR

SPARE ORIGINAL PART

### Benefits

- Extremely robust – Now with HVR® technology, meeting V4 requirements
- Perfect for deep cycling applications : 2x more cycle life compared to standard truck battery (advanced SHD technology with glass matt layers pasted on active mass) allowing excellent cycling performance (up to 200 cycles at 50% DoD)
- Improved durability
- OE experience inside



## ENDURANCE+PRO GEL

URLA

EQUIPMENT ORIGINAL MANUFACTURER

### Benefits

- Impressive energy throughput over the battery lifetime: safe DoD of 90%, vs 50% of standard flooded batteries, and 5 times more cycles than a comparable standard flooded battery
- Withstands deep discharges for maximum reliability
- Valve regulated: maximum safety and highly vibration resistant
- Very low self discharge
- Maintenance free
- Designed for OE applications



## POWERPRO

### Benefits

- Superior cranking power (more plates and active material to maximize grid surface)
- Robust and reliable design with hot melt fixation of plate groups
- Maintenance free - no topping up
- OE experience inside



## POWERPRO AGRI & CONSTRUCTION

### Benefits

- Superior cranking power (more plates and active material to maximize grid surface)
- Robust design with hot melt fixation of plate groups
- Wide range including special types
- True OE design and construction (original part)
- Maintenance Free - no topping up

SPARE ORIGINAL PART



## STARTPRO

### Benefits

- Ideal for trucks without special requirements in terms of vibration resistance, cycling or cranking power
- Robust and reliable design with hot melt fixation of plate groups
- Complete range covering almost 100% of vehicle parc, including special types
- Low maintenance - may need water topping up



Code	Capacity Ah	CCA (EN)	Assembly drawing	L x W x H (mm)	Box Type	Hold down
<b>STRONGPRO EFB+</b>						
EE1403	140	800		513 189 223	D04	B0
EE1853	185	1100		513 223 223	D05	B0
EE2353	235	1200		518 279 240	D06	B0
<b>ENDURANCEPRO EFB</b>						
EX1803	180	1000		513 223 223	D05	B0
EX2253	225	1150		518 279 240	D06	B0
<b>ENDURANCE+PRO GEL</b>						
ED851T	83	340		349 175 235	D02	B0
ED2103T	210	800		518 274 240	D06	B0
ED2103	210	1030		518 279 240	D06	B0
<b>POWERPRO</b>						
EF1202	120	870		349 175 235	D02	B1
EF1420	142	850		349 175 285	D03	B0
EF1421	142	850		349 175 285	D03	B0
EF1453	145	900		513 189 223	D04	B0
EF1853	185	1150		513 223 223	D05	B0
EF2353	235	1300		518 279 240	D06	B0
<b>POWERPRO AGRI &amp; CONSTRUCTION</b>						
EJ050C	50	800		260 173 206	G34	B7
EJ1102	110	900		349 175 235	D02	B1
EJ1100	110	900		349 175 235	D02	B0
EJ1000	100	850		353 175 190	L05	B13
EJ165A	165	850		354 241 285	D67	B0
EJ1805	180	1000		510 218 225	D09	B3
EJ1523	152	1130		513 189 223	D04	B0
EJ1723	172	1390		513 223 223	D05	B0
EJ1355	135	1000		514 175 210	DB8	B3

Code	Capacity Ah	CCA (EN)	Assembly drawing	L x W x H (mm)	Box Type	Hold down
EJ2353	235	1450		518 279 240	D06	B0
<b>STARTPRO</b>						
EG110B	110	1000		330 173 240	G31	B0
EG1100	110	750		349 175 235	D02	B0
EG1101	110	750		349 175 235	D02	B0
EG1102	110	750		349 175 235	D02	B1
EG1250	125	760		349 175 285	D03	B0
EG1251	125	760		349 175 285	D03	B0
EG145A	145	1000		360 253 240	F21	B0
EG1008	100	680		413 175 220	D01	B3
EG1109	110	800		413 175 220	D01	B3
EG1402	140	900		508 175 205	ATM	B1
EG1206	120	680		510 175 225	D08	B3
EG1406	140	800		510 175 225	D08	B3
EG1806	180	1000		510 218 225	D09	B3
EG1203	120	680		513 189 223	D04	B0
EG1403	140	800		513 189 223	D04	B0
EG1553	155	900		513 223 223	D05	B0
EG1803	180	1000		513 223 223	D05	B0
EG1355	135	1000		514 175 210	DB8	B3
EG1353	135	1000		514 218 210	DB9	B0
EG1705	170	950		514 218 210	DB9	B3
EG2253	225	1200		518 279 240	D06	B0
EG2254	225	1200		518 279 240	D06	B0



# MARINE AND LEISURE RANGE

The battery is critical to safety and comfort. It powers key operations like engine start, radio, GPS, lighting, heating and refrigeration, allowing passengers to feel sheltered, entertained and connected to the outside world. Exide's new marine range covers all the energy needs of both professional installers and private users. It offers the very best in reliability and electrical performance, allowing you to extend average trip length, experience improved luxury and comfort on board, and benefit from exceptional battery lifespan. Exide's premium marine batteries are a preferred choice for boat builders. Exide's Gel and AGM batteries are DNVGL approved, the highest endorsement for a marine market product, making it easier to align with European naval regulations for newly built boats.

## EQUIPMENT SUPPLY NEED

### EQUIPMENT LI-ION

Lithium-Ion technology



#### Benefits

- Ultra light weight
- Superior cycling
- Up to 50% faster recharging
- Ready to use
- Multiple positions
- Absolutely maintenance free
- Suitable for long resting periods

### EQUIPMENT AGM

Absorbent Glass Mat



#### Benefits

- Superior cycling
- Internal gas recombination
- Maintenance free
- Medium inclination
- Faster recharging

### EQUIPMENT GEL

Gel (electrolyte fixed in a gel) with VRLA venting.



#### Benefits

- Superior cycling
- Internal gas recombination
- No location constraints
- Safe and clean
- High inclination
- High vibration & tilt resistant
- Absolutely maintenance free
- Suitable for long resting periods
- High energy density
- Space saving of up to 30%



### EQUIPMENT

Standard flooded with glass mat separators and plug venting.



#### Benefits

- Superior cycling
- Low maintenance
- Slight inclination
- Medium vibration & tilt resistant





# ENGINE START NEED

## START AGM

AGM flat or orbital with VRLA venting



### Benefits

- Superior starting power
- Absolutely maintenance free
- Suitable for long resting periods
- Up to 50% faster recharging
- High inclination
- High vibration & tilt resistant
- Internal gas recombination
- No location constraints
- Safe and clean

## START

Standard flooded with plug venting



### Benefits

- Superior starting power
- Very low gas emission
- Spark arrestor & central degassing for safe gas conduction
- Absolutely maintenance free
- Slight inclination

# DUAL SUPPLY NEED



## DUAL AGM

AGM flat or orbital with VRLA venting

### Benefits

- Extra start & supply
- Absolutely maintenance free
- Suitable for long resting periods
- Faster recharge
- Up to 50% faster recharging
- High inclination
- High vibration & tilt resistant
- Internal gas recombination
- No location constraints (cabin safe)
- Safe and clean (spark & spill-proof)

## DUAL EFB

Enhanced Flooded Battery

### Benefits

- Extra start & supply
- Maintenance free
- Maximum Charge Acceptance

## DUAL

Standard flooded with central degassing

### Benefits

- Start & supply
- Low maintenance
- Low gas emission
- To be installed in special container
- Upright mount
- Medium vibration & tilt resistant
- Top indicator for electrolyte & charge inspection (except ER660)

Code	Performances			Assembly drawing	Dimensions			Box Type	Hold down
	Wh*	Capacity Ah (20h)	CCA (EN)		L (mm)	W (mm)	H (mm)		
<b>EQUIPMENT LI-ION</b>									
EV640	640	50	-		308	168	211	D31	B0
EV1250	1250	96	-		355	176	190	L05	B13
EV1300	1300	100	-		308	168	211	D31	B0
EV1300/24	1300	50	-		307	170	216	G77	B0
EV1600	1600	125	-		318	165	215	27F	B0
EV2500	2500	200	-		485	170	240	F51	B0
EV3800/36	3800	100	-		520	269	221	H52	B0

<b>EQUIPMENT AGM</b>									
EQ600	600	70	760		278	175	190	L03	B13
EQ800	800	95	850		353	175	190	L05	B13
EQ1000	1000	120	1225		286	269	230	D07	B0

<b>EQUIPMENT GEL</b>									
ES290	290	25	-		166	175	125	P24	B0
ES450	450	40	-		210	175	175	LB1	B4
ES650	650	56	-		278	175	190	L03	B13
ES900	900	80	-		353	175	190	L05	B13

Code	Performances			Assembly drawing	Dimensions			Box Type	Hold down
	Wh*	Capacity Ah (20h)	CCA (EN)		L (mm)	W (mm)	H (mm)		
<b>EQUIPMENT GEL</b>									
ES950	950	85	-		330	171	235	D02	B0
ES1000-6	1000	195 (6V)	-		244	190	275	GC2	B0
ES1100-6	1100	200 (6V)	-		244	190	275	GC2	B0
ES1200	1200	110	-		286	269	230	D07	B0
ES1300	1300	120	-		345	171	283	D03	B0
ES1350	1350	120	-		513	189	223	D04	B0
ES1600	1600	140	-		513	223	223	D05	B0
ES2400	2400	210	-		518	274	240	D06	B0

<b>EQUIPMENT</b>									
ET550	550	80	-		278	175	190	L03	B13
ET650	650	100	-		353	175	190	L05	B13
ET950	950	135	-		513	189	223	D04	B0
ET1300	1300	180	-		513	223	223	D05	B0
ET1600	1600	230	-		518	274	240	D06	B0

Discover our exclusive online tool that allows to make the best choice based on your specific electrical need!  
<https://www.exidegroup.com/eu/en/battery-finder/leisure/boat>

### SUPPLY NEEDS CALCULATOR

Add up all devices (W) and estimate usage (h) between recharge

$$W \times h = Wh$$

Watts hours      Watt hours

25 X 4 = 100

300 X 1 = 300

40 X 3 = 120

35 X 2 = 70

80 X 6 = 480

Total devices = 1070

x 1.2 Safety margin + 214






**REQUIRED Wh = 1284**




## EXIDE SUPPLY BATTERY OPTIONS




BASED ON ENERGY NEED. FOR EXAMPLE:







EXIDE DUAL	EXIDE DUAL AGM	EXIDE DUAL EFB	EXIDE EQUIPMENT AGM	EXIDE EQUIPMENT GEL	EXIDE EQUIPMENT LI-LON
450Wh/95Ah	900Wh/100Ah	850Wh/100Ah	800Wh/95Ah	1300Wh/120Ah	1600Wh/125Ah
Number of batteries and total weight 3 x 23KG <b>= 69KG</b>	Number of batteries and total weight 2 x 32KG <b>= 64KG</b>	Number of batteries and total weight 2 x 26KG <b>= 52KG</b>	Number of batteries and total weight 2 x 26KG <b>= 52KG</b>	Number of batteries and total weight 1 x 39KG <b>= 39KG</b>	Number of batteries and total weight 1 x 15KG <b>= 15KG</b>
	• Fast recharge time • DNV GL certification	• Maximum Charge Acceptance		• Smaller volume/weight ratio • DNV GL certification	• Ultra light-weight with fastest recharge
<b>1350Wh</b>	<b>1800Wh</b>	<b>1700Wh</b>	<b>1600Wh</b>	<b>1300Wh</b>	<b>1600Wh</b>




The rated energy in Wh is calculated based on the safe DoD indicated above: 100Ah in AGM is equal to 900Wh because of allowed DoD is 75% (otherwise 100Ah at 12V would be 1200Wh)








Code	Performances			Assembly drawing	Dimensions			Box Type	Hold down
	Wh*	Capacity Ah (20h)	CCA (EN)		L (mm)	W (mm)	H (mm)		
<b>DUAL AGM</b>									
EP450	450	50	750		260	173	206	G34	B7
EP500	500	60	680		242	175	190	L02	B13
EP600	600	70	760		278	175	190	L03	B13
EP800	800	95	850		353	175	190	L05	B13
EP900	900	100	800		347	174	238	G31	B0








<b>DUAL AGM</b>									
EP1200	1200	140	700		513	189	223	D04	B0
EP1500	1500	180	900		513	223	223	D05	B0
EP2100	2100	240	1200		518	274	240	D06	B0

<b>DUAL EFB</b>									
EZ600	600	70	720		278	175	190	L03	B13
EZ650	650	75	750		270	173	222	D26	B13
EZ850	850	100	900		353	175	190	L05	B13

<b>DUAL</b>									
ER350	350	80	510		270	173	222	D26	Korean B1+B6
ER450	450	95	650		306	173	222	D31	Korean B1
ER550	550	115	760		349	175	235	D02	B0
ER650	650	142	850		349	175	285	D03	B0
ER660	660	140	750		513	189	223	D04	B0
ER850	850	180	1000		513	223	223	D05	B0

Code	Performances			Assembly drawing	Dimensions			Box Type	Hold down
	MCA* A (BCI)	Capacity Ah (20h)	CCA (EN)		L (mm)	W (mm)	H (mm)		
<b>START AGM</b>									
EM900	900	42	700		230	173	206	G86	B7
EM960	960	100	800		347	174	238	G31	B0
EM1000	1000	50	800		260	173	206	G34	B7

<b>START</b>									
EN500	500	50	450		207	175	190	L01	B13
EN600	600	62	540		242	175	190	L02	B13
EN750	750	74	680		278	175	190	L03	B13
EN800	800	90	720		353	175	190	L05	B13
EN850	850	110	750		349	175	235	D02	B0
EN900	900	140	800		513	189	223	D04	B0
EN1100	1100	180	1000		513	223	223	D05	B0

<b>VINTAGE</b>									
EU72L	-	72	640		278	175	190	L03	B13
EU77-6	-	77 (6V)	360		215	169	184	H02	B6
EU80-6	-	80 (6V)	600		158	165	213	M02	B0
EU140-6	-	140 (6V)	900		257	175	236	M04	B1
EU165-6	-	165 (6V)	900		330	174	234	M05	B0
EU200-6	-	200 (6V)	1150		398	174	234	M06	B0
EU260-6	-	260 (6V)	1300		345	172	286	M08	B0

# INNOVATIVE WORKSHOP TOOLS

## TESTING

**EBT-965P BATTERY TESTER AND EBTP BATTERY TESTER PROGRAM**  
With the innovative Conductance Profiling technologies™



## CHARGING

**BATTERY CHARGER**  
To charge cars, boats and motorcycles, and can be used by consumers and professionals alike



## REPLACING

**BRT-12 BATTERY REPLACEMENT TOOL**  
To make easy battery replacement



## SELECTING

**BATTERY FINDER APP AND ONLINE**  
To support battery selection and fitting for the most comprehensive range of vehicle types (cars, buses, trucks, motorcycles, construction, agricultural and all special vehicles)



\*MCA = BCI Marine Cranking power in Amps at 0°C  
\*Wh = Available Watt x hour at 20h rate from a battery, without exceeding its recommended depth of discharge

# MOTORBIKE AND SPORT RANGE

Exide makes high-performance motorcycle batteries, designed for those who demand the best from their bike. We use the most advanced components and materials, and our products are renowned for their reliability and long lifespan. We make batteries for motorcycles, scooters, jet skis and a wide range of other vehicles. Customers use our products to get to work, explore the world, and race on land and sea. We are an original equipment manufacturer, and have the most forward-looking technology in the industry. Take to the road with confidence, knowing you are powered by Exide.



## EXIDE LI-ION



## EXIDE GEL



### Benefits

- Ultra-lightweight – up to 80% lighter than lead-acid batteries
- Very low self-discharge – long shelf life and perfect for seasonal use
- Super-fast recharging
- Extreme cycle life – more than 2000 cycles
- First-class safety features
- Multi-position mounting – even upside down
- Ready to use and maintenance free – just install and forget
- State-of-charge indicator for regular checks at one glance
- Covers the majority of parc – spacers included for fitment possibilities

### Benefits

- Ideal for premium vehicles with power hungry electrical equipment
- Very low self-discharge - perfect for seasonal use
- Deep-discharge protection - store for up to 24 months without loss in cycle life
- Brilliant performance even when partially discharged, prolonging cycle life
- Maximum safety and highly vibration resistant - easily handles rough road conditions
- Ready to use, no initial acid filling
- Maintenance free - no water refilling
- Latest original equipment technology
- Made in Europe



## AGM READY



## AGM



## CONVENTIONAL

### Benefits

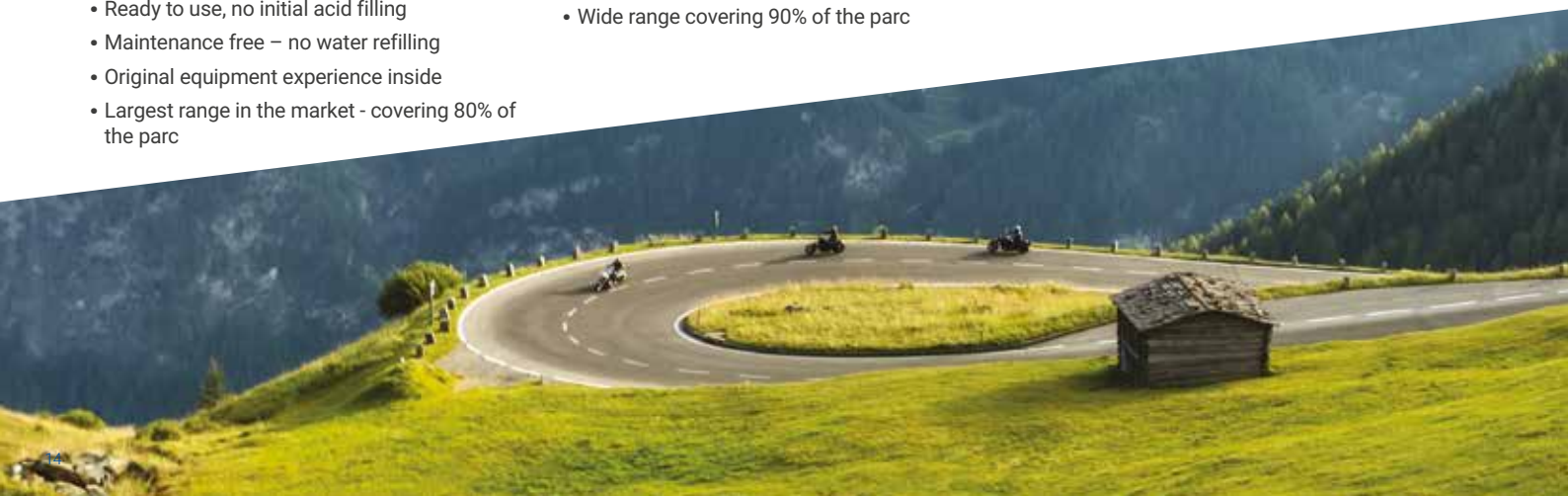
- Maximum power
- Extended cycle life
- Ideal for cold weather
- Low self-discharge - suitable for seasonal use
- Ultra safe and highly vibration resistant - ideal for rough road conditions
- Ready to use, no initial acid filling
- Maintenance free – no water refilling
- Original equipment experience inside
- Largest range in the market - covering 80% of the parc

### Benefits

- Extended cycle life
- Ideal for seasonal use and cold weather
- Great safety features and vibration resistant
- Maintenance free – no water refilling
- 6-bottle acid pack included for initial filling
- Easy stock handling – no recharge required before acid filling
- Wide range covering 90% of the parc

### Benefits

- Acid pack included for initial filling
- Easy stocking and handling – no recharge required before initial acid filling
- A great variety of battery types, including 6V





Exide Technologies, with operations in more than 80 countries and more than 130 years of experience, is one of the world's largest producers and recyclers of lead-acid batteries. The company develops state-of-the-art energy storage solutions for the automotive and industrial market. Leading car, truck and lift truck manufacturers trust in Exide Technologies as an original equipment supplier. Exide also serves the aftermarket through a portfolio of successful and well-known brands.

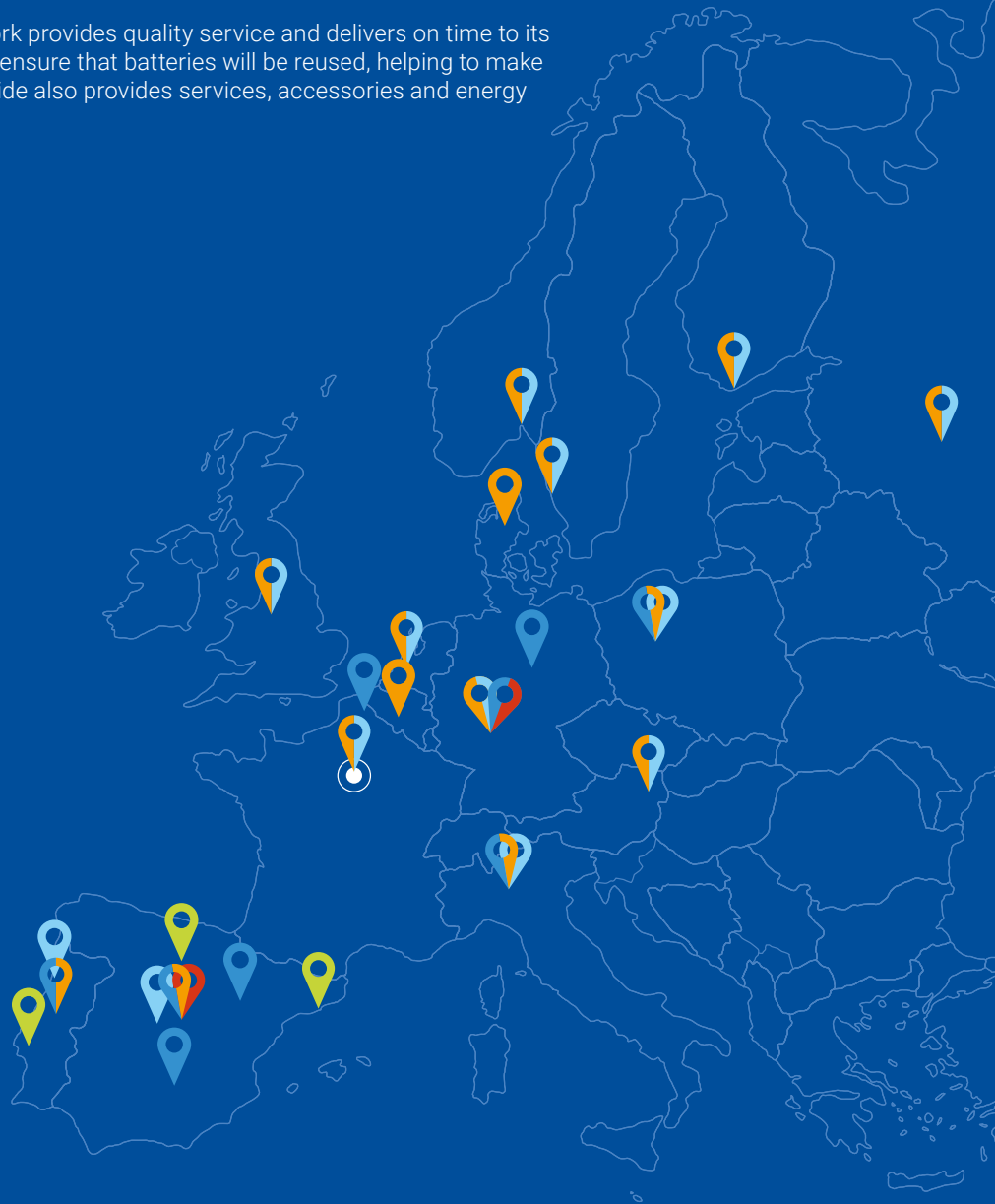
Exide Transportation manufactures batteries for light and commercial vehicles, as well as agricultural and marine leisure applications. Industrial markets – under the division GNB Industrial Power – include efficient energy storage solutions for motive power applications such as lift trucks, cleaning machines and other commercial electrical vehicles, and network power applications such as telecommunications systems, renewables, and uninterruptible power supply (UPS).

Exide's engineers have always been at the forefront of bringing important innovations to the industry. Exide's IATF 16949 certified manufacturing facilities ensure that customers receive products that are produced with maximum efficiency and fulfill the highest quality standards, while minimizing impact on the environment.

Exide's extensive sales and distribution network provides quality service and delivers on time to its customers. Its world-class recycling facilities ensure that batteries will be reused, helping to make a positive contribution to the environment. Exide also provides services, accessories and energy consulting to its clients.

- Global headquarters
- Manufacturing plants
- Recycling plants
- Distribution centers
- Main sales offices
- R&D centres

Manufacturing plants ISO 9001 and ISO 14001 certified  
Automotive plants IATF 16949 certified



#### GLOBAL HEADQUARTERS

EXIDE TECHNOLOGIES SAS  
5 ALLÉE DES PIERRES MAYETTES  
92636 GENNEVILLIERS  
FRANCE

TEL: +33 1 41 21 23 00      FAX +33 1 41 21 27 15