THE BATTERY SOLUTION FOR ALL DRIVING NEEDS

EXIDE
BATTERIES

EXIDE®
BATTERIES

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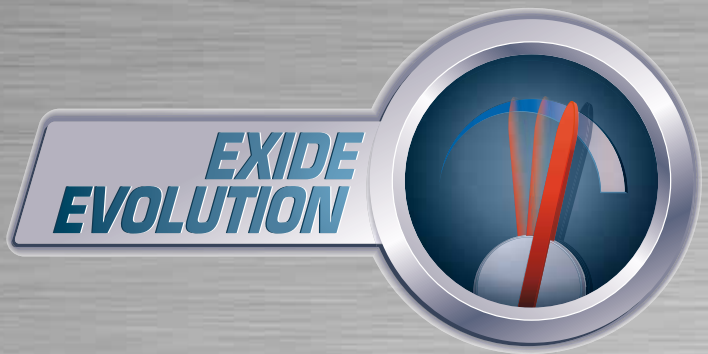
BATTERIES

MORE DEMANDING ENERGY REQUIREMENTS THAN EVER BEFORE

In recent years, the energy demands of modern vehicles have risen by up to 300%. In order to select the correct battery, it is worth considering not only your car engine size and power, but also on-board electrically-powered equipment and even climate and driving conditions. The Exide Evolution Programme has been designed to help make your choice of battery the right one.



Exide Evolution Programme guarantees to identify the best-performing Exide battery to satisfy all your customers' needs.

N E W

THE HIGH PERFORMANCE BATTERY

Exide Premium delivers highly-concentrated energy, high capacity, and high starting power – all combined in the same battery.

Great advances in manufacturing processes and outstanding material quality has allowed development of a battery with:

1. Extended product lifetime compared to a standard battery due to:

- Better resistance to discharge and recharge gained by improved active paste adherence on the metal grids
- Larger capacity reserve provided by the use of thicker plates
- Better corrosion resistance gained by expanded metal grids (Exmet) and use of improved metal alloys

2. High starting power and reliability in all weather conditions, delivering a greater number of engine starts.

SUITABLE FOR

- Powerful diesel and petrol engines
- +30% 30% more starting power than a standard battery
- Superior equipment (factory standard + optional extras)
- Everyday driving and Intensive urban use
- Extended product life in extreme hot or cold operating temperatures

ADVANTAGES

- Completely maintenance-free
- State-of-charge indicator for quick assessment of charge level at a glance
- Heat-sealed double lid, which cannot be opened, for unbeatable security
- Exide-patented labyrinth system, preventing acid spill and allowing safe flow-back of acid particles
- Complies with “Original Part Matching Quality” regulations

THE REFERENCE BATTERY

SUITABLE FOR

- Most modern vehicles
- +15% 15% more starting power than a standard battery
- Standard equipment
- Everyday driving

ADVANTAGES

- Completely maintenance-free
- State-of-charge indicator for quick assessment of charge level at a glance
- Central venting with spark arrestors for improved safety

SUITABLE FOR

The economy choice for older cars with a basic number of electrical devices

Standard diesel and petrol engines

Powerful diesel and petrol engines

The battery should always have enough starting power to match the size and power of the engine, always considering the vehicle manufacturer's recommended guidelines as a minimum requirement.

This starting power is the **cold cranking current** (CCA, in Amperes [A (EN)]), supplied by the battery.

For high performance petrol or diesel engines the required **starting power** will be a more important consideration.

1 ENGINE SIZE AND TYPE

Each vehicle, according to its power, its equipment level, its application or environmental working conditions, has its own individual energy requirements.

Everyday driving

Short journey's in congested urban areas

4 DRIVING CONDITIONS

Intensive urban driving usually involves many engine starts and short journeys which consumes additional energy from the battery. The on board charging system (alternator) cannot always recharge the battery sufficiently on these short trips, reducing charge capacity and resulting in a shorter product life.

For situations involving intensive urban use, the battery needs to have a **higher capacity** to return its full product lifetime and potential.

The battery is the energy source which supplies all the electronics in the vehicle. The amount of available energy in the electrical circuit is directly proportional to the **capacity** of the battery, which is measured in Amperes per hour (Ah).

Many security, comfort or luxury devices are fitted in the latest vehicles (on the right you can see a short check-list). The greater the equipment levels, the larger the battery capacity required to supply the necessary power to the vehicle equipment installed.

EQUIPMENT 2

Standard equipment:

- On-board computer
- Air conditioning
- CD and radio player
- Electric windows and mirrors

Superior equipment:

- Alarm
- SAT/ NAV (GPS)
- Entertainment-system / DVD
- Electric parking brakes
- Heated seats • Auxiliary heating
- Tuning devices

CLIMATE 3

Extreme temperatures can affect battery performance and shorten product life.

Higher working temperatures will damage the active material within the cell and cause corrosion. It will also accelerate self-discharge causing the performance and capacity of the battery to decline. In high temperatures the battery should have a higher capacity to maintain its full potential.

Cold climate conditions increase the internal resistance of the battery, reducing starting power and charge acceptance. Vehicles operating in these conditions require a battery with a higher cold cranking current (CCA) rating for reliable performance when starting the vehicle.

Moderate temperatures

Extreme temperatures

HOW TO SELECT THE BEST BATTERY FOR YOUR CUSTOMER?

Once you have identified the right battery size with the help of the Exide fitment catalogue use this chart to select the right product performances to best meet your customer's requirements.

Vehicle

1 ENGINE SIZE AND TYPE

- Older vehicles pre-1997
- Diesel and petrol engines
- Powerful diesel and petrol engines

2 EQUIPMENT

- Basic
- Standard
- Superior

3 CLIMATE

- Moderate
- Moderate
- Extreme

4 DRIVING CONDITIONS

- Everyday driving
- Everyday driving
- Urban use, short journey's in congested traffic

TECHNICAL SPECIFICATIONS:

Exide Premium

EXIDE	PERFORMANCES		DIMENSIONS				TECHNICAL CHARACTERISTICS		
CODE	CAPACITY Ah	CCA A (EN)	CONTAINER	L (mm)	L (mm)	H (mm)	POLARITY	TERMINALS	HOLD DOWN
EA386	38	300	B19	187	127	220	0	3	Korean B1
EA387	38	300	B19	187	127	220	1	3	Korean B1
EA456	45	390	B24	237	127	227	0	3	Korean B1
EA457	45	390	B24	237	127	227	1	3	Korean B1
EA472	47	450	LB1	207	175	175	0	1	B13
EA530	53	540	L01	207	175	190	0	1	B13
EA531	53	540	L01	207	175	190	1	1	B13
EA602	60	600	LB2	242	175	175	0	1	B13
EA640	64	640	L02	242	175	190	0	1	B13
EA641	64	640	L02	242	175	190	1	1	B13
EA654	65	580	D23	230	173	222	0	1	Korean B1
EA655	65	580	D23	230	173	222	1	1	Korean B1
EA722	72	720	LB3	278	175	175	0	1	B13
EA754	75	630	D26	270	173	222	0	1	Korean B1
EA755	75	630	D26	270	173	222	1	1	Korean B1
EA770	77	760	L03	278	175	190	0	1	B13
EA852	85	800	LB4	315	175	175	0	1	B13
EA1000	100	900	L05	353	175	190	0	1	B13
EA1004	100	850	D31	306	173	222	0	1	Korean B1
EA1005	100	850	D31	306	173	222	1	1	Korean B1
EB320	32	270	E01	178	135	225	0	1	B1
EB356	35	240	B19	187	127	220	0	3	B0
EB357	35	240	B19	187	127	220	1	3	B0
EB440	44	400	L00	175	175	190	0	1	B13
EB442	44	420	LB1	207	175	175	0	1	B13
EB450	45	330	E02	220	135	225	0	1	B1
EB451	45	330	E02	220	135	225	1	1	B1
EB454	45	300	B24	237	127	227	0	1	B0
EB455	45	300	B24	237	127	227	1	1	B0
EB456	45	300	B24	237	127	227	0	3	B0
EB457	45	300	B24	237	127	227	1	3	B0
EB500	50	450	L01	207	175	190	0	1	B13
EB501	50	450	L01	207	175	190	1	1	B13
EB504	50	360	D20	200	173	222	0	1	Korean B1
EB505	50	360	D20	200	173	222	1	1	B0
EB542	54	520	LB2	242	175	175	0	1	B13
EB604	60	390	D23	230	173	222	0	1	B0
EB605	60	390	D23	230	173	222	1	1	B0
EB608	60	640	G75	230	180	186	1	SAE	B9
EB620	62	540	L02	242	175	190	0	1	B13
EB621	62	540	L02	242	175	190	1	1	B13
EB704	70	540	D26	270	173	222	0	1	B9
EB705	70	540	D26	270	173	222	1	1	B9
EB712	71	670	LB3	278	175	175	0	1	B13
EB740	74	680	L03	278	175	190	0	1	B13
EB741	74	680	L03	278	175	190	1	1	B13
EB758	75	770	G78	260	180	186	1	SAE	B7
EB788	78	850	G65	365	192	192	1	1	B1
EB802	80	700	LB4	315	175	175	0	1	B13
EB852	85	760	LB5	353	175	175	0	1	B13
EB950	95	800	L05	353	175	190	0	1	B13
EB951	95	800	L05	353	175	190	1	1	B13
EB1004	100	720	D31	306	173	222	0	1	Korean B1
EB1005	100	720	D31	306	173	222	1	1	Korean B1

Exide Excell

Exide Classic

EC400	40	320	L00	175	175	190	0	1	B13
EC412	41	370	LB1	207	175	175	0	1	B13
EC440	44	360	L01	207	175	190	0	1	B13
EC441	44	360	L01	207	175	190	1	1	B13
EC502	50	510	LB2	242	175	175	0	1	B13
EC550	55	460	L02	242	175	190	0	1	B13
EC551	55	460	L02	242	175	190	1	1	B13
EC604	60	440	D26	270	173	222	0	1	B9
EC605	60	440	D26	270	173	222	1	1	B9
EC652	65	540	LB3	278	175	175	0	1	B13
EC700	70	640	L03	278	175	190	0	1	B13
EC708	70	540	G34	260	173	206	1	1	B12
EC900	90	720	L05	353	175	190	0	1	B13
EC954	95	680	D31	306	173	222	0	1	Korean B1
EC955	95	680	D31	306	173	222	1	1	Korean B1

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