BREAKTHROUGH orbital GRID TECHNOLOGY

EXIDE

EXIDE TECHNOLOGIES
GATE NO. 3
PONTYFELIN INDUSTRIAL ESTATE
NEW ROAD
PONTYPOOL
NP4 5DG

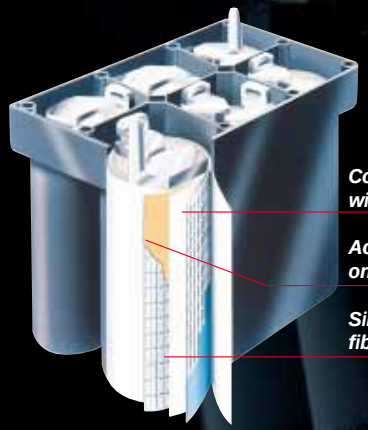
Customer Services
Tel: 0161 786 3333
Fax: 0161 786 3334
email: customer.services@exideuk.co.uk
web-site: www.exideuk.co.uk

EXIDE MAXXIMA



STARTING IN EXTREME CONDITIONS

During electrical tests in extreme conditions, Maxxima batteries demonstrate far higher cranking capabilities & increased efficiency compared to standard batteries.



Continuous plate with lead tin grid

Active material coats on both sides

Silicon and polymeric fibre separator

The grids, made with just one very thin orbital-wound plate allow for a far greater ion exchange surface than that of standard batteries.

The coating of active material on both sides of the grid and a greater contact surface area between the plates, increases electrical efficiency.

The microfibre separators enhance energy production.

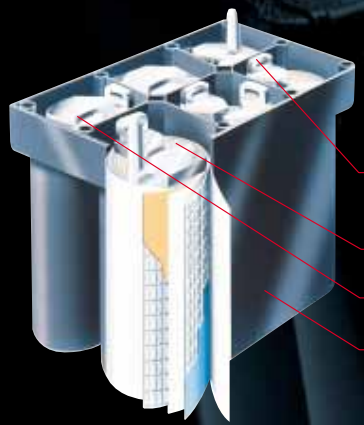
The considerable power enables high capacity engines (especially diesels) to start up in extreme conditions even when the battery is partially discharged.

BREAKTHROUGH orbital GRID TECHNOLOGY



USE IN EXTREME CONDITIONS

During discharging and recharging tests, Maxxima batteries last up to 10 times longer than standard batteries.



Strengthened intercell connections

Compression of cells in the container

Cells with impervious seal

Strengthened container

Thanks to the tightly wound cell construction, Maxxima batteries offer greater resistance against deep discharging and charging cycles, resulting in an increase in the battery's service life (this is especially applicable to the Maxxima 900 Deep Cycle).

The thin plates and lead-tin alloy produce a minimum internal resistance and enable rapid recharging.

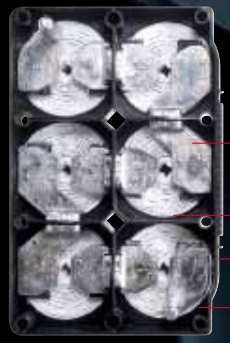
Due to it's sealed technology and gas recombination, Maxxima will resist the type of overcharging which would damage a standard battery. The absence of water evaporation even in extreme conditions, ensures greater durability and increased service life.

EXIDE MAXXIMA



ROBUST CONSTRUCTION

The compact structure of Maxxima, with it's tightly wound cell components, make it the most robust battery around.



Strengthened intercell connections

Compression of units in the container

Strengthened container

Totally sealed cells

It has up to 17 times more resistance to vibration than standard batteries. This is thanks to its sealed construction, independent cells and absorbed electrolyte.

If the battery container is accidentally broken or pierced, Maxxima will not fail and will continue to operate.

The sealed technology ensures that there is no electrolyte loss in normal operating conditions.

Maxxima has passed and exceeded Europes most demanding battery vibration test (V3).

All Maxxima's terminals are corrosion free.

BREAKTHROUGH orbital GRID TECHNOLOGY



MAXXIMUM QUALITY

Due to the internal gas re-combination and sealed technology, there is no chance of acid vapours or spillage on the battery casing or its application.

Safety valves (VRLA)

Flat cover

Electrolyte absorbed into the separators
(AGM Technology)

Maxxima does not need any maintenance and must never be opened.

No acid leaks, even when the container is accidentally pierced, since the electrolyte is impregnated and held within the separators.

No acid vapours and no gases, therefore reducing the risk of explosion.

It's chemically pure construction and gas recombination, allow you to store Maxxima for twice as long as a standard battery.

EXIDE MAXXIMA 800-900

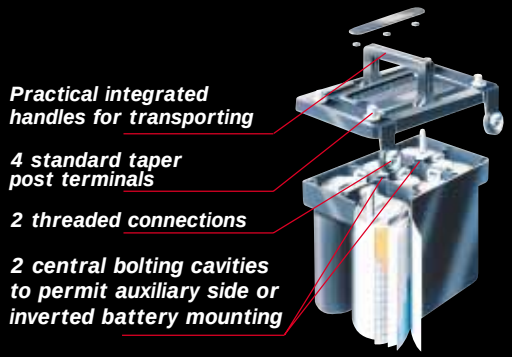
Maxxima 800–900 batteries are designed to meet the demands of batteries required to operate in extreme and severe conditions, maximising reliability, performance and duration.

Thanks to it's orbital technology and gas recombination, Maxxima satisfies all of this.

BREAKTHROUGH orbital GRID TECHNOLOGY

ADVANTAGES

- *VERY HIGH POWER OUTPUT AT START UP*
- *EXTENDED SERVICE LIFE (UP TO 3 TIMES LONGER THAN THAT OF A CONVENTIONAL BATTERY)*
- *LOW SELF-DISCHARGING RATE GIVING EXTENDED SHELF LIFE UP TO 3 TIMES LONGER THAN THAT OF A CONVENTIONAL BATTERY*
- *RAPID RECHARGING TIME DUE TO LOWER INTERNAL RESISTANCE*
- *ERGONOMIC DESIGN: PRACTICAL HANDLES FOR EASE OF TRANSPORTATION*
- *2 CENTRAL BOLTING CAVITIES TO ALLOW MULTI POSITIONAL MOUNTING (EVEN UPSIDE DOWN)*
- *ROBUST VIBRATION RESISTANCE: UP TO 17 TIMES MORE RESISTANCE THAN CONVENTIONAL BATTERIES*
- *TOTALLY SEALED & MAINTENANCE FREE: ENVIRONMENTALLY FRIENDLY*
- *TOTAL SAFETY: NO ACID GAS OR ACID VAPOUR EMISSIONS IN NORMAL OPERATING CONDITIONS*
- *24 MONTH EUROPEAN GUARANTEE*
- *VERSATILITY GUARANTEED BY 4 STANDARD TAPER POST TERMINALS & 2 THREADED CONNECTIONS*



Practical integrated handles for transporting

4 standard taper post terminals

2 threaded connections

2 central bolting cavities to permit auxiliary side or inverted battery mounting

TECHNICAL SPECIFICATIONS	MAXXIMA 800	MAXXIMA 900	MAXXIMA 900 DEEP CYCLE
Breakaway (SAE) at 0°C (Amps)	800	900	900
Breakaway (EN) at –18°C (Amps)	700	800	800
Capacity at 20h (Ah)	43	50	50
Capacity reserve (minutes at 25°C)	85	95	100
Cycles test EN 60 095 (50% discharging)	114	114	750
Weight (kg)	15	17	18
Dimensions (L x W x H) mm	230 x 172 x 205	260 x 172 x 205	260 x 172 x 205

EXIDE MAXXIMA Deep Cycle

This has been created to meet the demands of both engine startup and the supply of power to auxiliary equipment.

In addition to offering all the advantages of the revolutionary Maxxima range, the Deep Cycle version has thicker plates and a greater compression of active material to ensure ultimate resistance to excessive charging and discharging cycles.

BREAKTHROUGH orbital GRID TECHNOLOGY

ADVANTAGES

- *DESIGNED TO WITHSTAND EXCESSIVE DISCHARGE & RECHARGE CYCLES, OVER 10 TIMES THAT OF A CONVENTIONAL BATTERY*
- *VERY HIGH POWER OUTPUT AT START UP*
- *EXTENDED SERVICE LIFE (UP TO 3 TIMES LONGER THAN THAT OF A CONVENTIONAL BATTERY)*
- *LOW SELF-DISCHARGING RATE GIVING EXTENDED SHELF LIFE UP TO 3 TIMES LONGER THAN THAT OF A CONVENTIONAL BATTERY*
- *RAPID RECHARGING TIMES DUE TO LOWER INTERNAL RESISTANCE*
- *ERGONOMIC DESIGN: PRACTICAL HANDLES FOR EASE OF TRANSPORTATION*
- *2 CENTRAL BOLTING CAVITIES TO ALLOW MULTI POSITIONAL MOUNTING (EVEN UPSIDE DOWN)*
- *TOTALLY SEALED & MAINTENANCE FREE: ENVIRONMENTALLY FRIENDLY*
- *TOTAL SAFETY: NO ACID GAS OR ACID VAPOUR EMISSIONS IN NORMAL OPERATING CONDITIONS*
- *24 MONTH EUROPEAN GUARANTEE*
- *VERSATILITY GUARANTEED BY 4 STANDARD TAPER POST TERMINALS & 2 THREADED CONNECTIONS*

Practical integrated handles for transporting

2 threaded poles

2 standard taper post terminals

2 central bolting cavities to permit auxiliary side or inverted battery mounting

Thicker continuous plate

CURRENTLY USED FOR...

EXIDE MAXXIMA

BREAKTHROUGH orbital GRID TECHNOLOGY

MARKETS	TYPICAL USERS	REQUIREMENTS	MAXXIMA FEATURES & BENEFITS
4 x 4 & PICK-UP	Mainly 4x4 off-road enthusiasts	Mainly vehicle starting but also some deep cycle for winches, ploughs, lights and other accessories	Interested in high CCA, vibration resistance, non-spillable.
CAR AUDIO	In-car entertainment (ICE) enthusiasts who spend big money on audiosystems and/or hydraulics	Deep cycle to power very high-end audi equipment, hydraulics, air lifters and other accessories	Interested in reserve capacity, flexible mounting, non-spillable, corrosion free, high power, rapid recharge
RACING	All types of racing vehicles (including dragsters)	Vehicle starting	Interested in vibration resistant, non-spillable, minimal gassing, reserve capacity and low self-discharge
SUPE-UP & MUSCLE CAR	Car aficionades; love to fix up old cars & make them fast	Vehicle starting (post 1955 models only)	Interested in non-spillable, low self-discharge
LEISURE	Large camper vans	Deep cycle to power lights, refrigerator, heater, AC, Stereo, TV/VCR, and other electrical appliances	Interested in reserve capacity, non-spillable, minimal gassing, low self discharge, vibration resistant
MARINE	Freshwater and/or saltwater fisherman; owners of bass boats, powerboats, houseboats & sailboats	Engine starting and deep cycle for trolling motors, communications equipment, lights, depth finders	Interested in non-spillable properties, vibration resistance, low self-discharge, fast recharge, minimal gassing, portability, flexible mountings
AGRICULTURE	Farmers, foresters, country park rangers and ATV users	Starting for tractors, general ATV, snowmobile, quad bikes, farm equipment/generators/pumps etc	Interested in vibration resistance, low self-discharge, non-spillable, highly portable, robust design, flexible mountings and sealed maintenance free
INDUSTRIAL	Plant equipment, generators, pumps, etc	Engine starting and deep cycle	Interested in high CCA, vibration resistance, non-spillable
EMERGENCY SERVICES	Fire engineers, ambulances, police and special response vehicles	Mainly vehicle starting but also some deep cycle for auxiliary equipment	Interested in high starting power, non-spillable, rapid recharge and minimal gassing
MILITARY	Specialist military emergency, reconnaissance and transporter vehicles	Vehicle starting, deep cycle for auxiliary equipment and durability for battle conditions	Interested in maintenance free, high CCA, low self-discharge, non-spillable, robust design

MAXXIMA ENDORSEMENTS

MAXXIMA - THE POWER TO SAVE LIVES!

The Swedish lifeboat fleet (SSRS) use the Maxxima 900 for its extreme starting capabilities, and also the 900 Deep Cycle for powering the sophisticated electrical equipment onboard. The Maxxima was regionally tested with the SSRS lifeboat fleet in some of the worst storm conditions in the Northern hemisphere.

JUST '90' SECONDS

That's the time a fire engine has from when the alarm bell rings, to the fire engine leaving the station. Therefore, with potential lives at stake, batteries have to be of the highest quality and superior reliability. In Stockholm, Sweden, fire-fighters don't take risks - only the best products will do – Maxxima 900 and 900 Deep Cycle.

US MILITARY

The Hummer vehicle is used by the US army all over the world, including the Nordic countries where extreme weather and terrain conditions test the vehicles components to the full. Maxxima was selected for these vehicles because of its robust construction, exceptional vibration resistance, no risk of acid spillage and above all it's reliability.

HIGH SPEED RACING BOATS

Maxxima is the preferred battery used by the Ugland Offshore Racing Team. The boat has a 1300hp engine and a state of the art electrical system on board, powered by two Maxxima 900 batteries using a 24 volt system. Power reliability is an essential factor for Ugland to keep on winning.