

POWER

TO LEAVE THE WORLD BEHIND



Carbon Fibre Deep Cycle Monobloc Battery

A battery so advanced, it's guaranteed for five years!



A World of Applications

Elecsol batteries can be used successfully in the following list of applications: - Motorhomes, Caravans, Narrowboats, Cruising/ Yachting, Cars, Electric vehicles, Electric scooters, Commercial vehicles, Tail -lifts, Renewable energy systems, Solar, Standby power.



5 Year Guarantee

A full 5 year Guarantee is offered world-wide for all our products for Deep Cycling Applications



More Power - Less Weight

Elecsol batteries offer higher power and performance- through the use of unique patented carbon fibre technology. Independent tests prove they give 20% more power output for no increase in the overall weight of the battery.



Dual Purpose

Carbon Fibres strengthen the grid ensuring no plate buckling when used for engine starting purposes. Elecsol batteries can be successfully used as a dual purpose engine start and deep cycle battery.



3 x The Cycling Life

The carbon fibre technology employed in the Elecsol battery range significantly increases the cycling performance and life of the battery when compared to equivalent semi traction batteries. Elecsol batteries will complete over 1000 deep discharge cycles - 3 times as many cycles as the nearest equivalent.



NO plate sulphation

Incredible but true! The major failure of traditional leisure batteries is plate sulphation. This is caused by continuously discharging the battery or leaving the battery in a flat condition. Upon recharging, the capacity loss is significant as a large portion of the battery plates lay a permanent deposition of lead sulphate. Carbon fibre technology incorporated in the Elecsol range of batteries, ensures the battery can be deeper discharged without permanent damage resulting. Highly conductive carbon fibres allow acid to flow deeper into the plate forming a conductive network within the grid preventing the build up of lead sulphation.



Unrivalled Performance with Solar

Elecsol batteries complement the use of solar panels, they are capable of accepting even the smallest amount of charging current allowing for overcast conditions whilst ensuring optimum power output at all times.



Inverter use

Elecsol batteries offer the perfect solution for use with inverters, they can accept higher charging currents whilst ensuring they can be continuously over discharged or even left in a discharged state permanently with no loss of capacity on recharge.



Product Improvements

Our new range of batteries have the following improvements:

- New S type separator for even more power output.
- A 5 year guarantee for all applications (previously 4 years for boats).
- Carbon Fibre. Optimisation for improved cold cranking and cycling performance.



Product Endorsements

Elecsol batteries have received the following endorsements:

Which

Caravan Club

Team Group

Caravan Life



Why Use Carbon Fibre ?

Carbon Fibre is not only a very strong material but also an excellent electrical conductor. When used in the manufacturing process, it reinforces the lead plates and helps prevent the plates from shredding the oxide paste.

Millions of strands of Carbon Fibre build up a conductive network within the grid itself. This gives greater plate surface area able to absorb the charge faster and more efficiently. The Carbon Fibres act as an osmosis pump ensuring acid is drawn deeper into the plate, utilising more of the potential capacity.

The high strength of the grids ensure no plate buckling under high cranking loads. This is unusual in a leisure battery as conventionally the plates under these conditions will buckle. The ELECSOL range has been specifically designed for dual purpose use.

So, The Battery Still Uses Lead ?

Yes, the plates are still lead oxide. The addition of the Carbon Fibres have enabled the plates to reduce in size whilst still keeping the capacity high.



Product Range/Specifications

Product	Capacity	CCA cold cranking	Dimensions	Weight	RRP
Elecsol 70	70AH	300	242 x 175 x 190mm	16.5kg	£ 71.00 + VAT
Elecsol 100	100AH	375	278 x 175 x 190mm	19.6kg	£ 87.00 + VAT
Elecsol 110	110AH	450	353 x 175 x 190mm	25.2 kg	£ 97.00 + VAT
Elecsol 125	125AH	550	344 x 172 x 235mm	28.5kg	£ 117.00 + VAT
Elecsol 220	220AH	700	513 x 223 x 223mm	49kg	£ 225.00 + VAT
Elecsol 270	270AH	800	1513 x 270 x 240mm	62.2kg	£ 295.00 + VAT



Product Endorsements

Which Motorcaravan

- independent test gives Elecsol carbon fibre leisure batteries the thumbs up:

By current standards, this is an excellent performance by the Elecsol 90 carbon fibre battery over the conventional type.

Elecsol employs carbon fibre in the construction of battery plates to extend their working life and claims over 20% more power between charges, 20% more output, and three times longer than comparable batteries.

We conducted a direct performance comparison between the 90ah version of the Elecsol, and the larger 90ah Exide Portapower leisure battery in the same location using the same dual-voltage, 35 Watt colour television

The Elecsol start reading was 12.9V. Readings were taken periodically during the test. The drop in voltage was steady and small until 22 hours 15 minutes after the test, when the TV screen finally went blank.

The Exide Portapower start reading was 12.95V. The first periodic check revealed a drop of 0.56V with no further drop in voltage for more than 1.5 hours, thereafter; the drop in voltage was steady and small until after 19 hours 10 minutes the screen went blank.

This amounted to an further three hours and five minutes viewing time from the Elecsol Battery.

Elecsol - competing in the World's Toughest Yacht Races



Powered by Elecsol Batteries
Mike Golding & Team
Group 4 finish the
Vendée Globe

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