

# Alien Bikes - Maintenance of Batteries - Applies to Specials and Trikes

## Charging the Battery

Lithium Ion batteries are lighter than other equivalent batteries and MUCH lighter than Lead Acid batteries. They do not suffer from memory effect and also have a low self-discharge rate of approximately 5% per month, compared with over 30% per month in nickel metal hydride (NiMH) batteries.

However, to preserve your lithium-ion battery it should be charged early and often so when you come back from a ride, simply plug the bike into the charger regardless of how much power you've used.

The Battery Management System, integrated into the charger and the controller, will take care of how much charge the battery needs. Please note that if you're going to leave your bike for a long time then charge up the battery every now and then to ensure that the battery charge doesn't fall to too low a level. **NB IF YOU LET THE BATTERY GO FLAT FOR ANY LENGTH OF TIME, IT MAY NOT BE POSSIBLE TO RECOVER IT.**

**PLEASE ALSO NOTE THAT, AT ALL TIMES, AS WITH ALL BATTERY CHARGERS, YOU SHOULD HAVE ATTACHED THE CHARGER TO THE BATTERY BEFORE YOU PLUG THE CHARGER INTO THE MAINS AND SWITCH IT ON.**

## Unlocking and Locking the Battery Pack

To remove the battery pack, use one of the keys provided. The lock is designed to be very tamper proof but the lock may take a bit of getting used to.

The battery pack slides towards the rear of the bike when unlocked. It is suggested that you practice removing and fitting the battery a couple of times to familiarise yourself with the process.

Please note that the socket for the battery charger is underneath the handle on the battery itself.

If you have removed the battery from the bike, when you put it back onto the battery plate, please note that the locking pin **MUST** be in place before you can turn the key to switch the power on. If there is a slight resistance to switching the power on try pushing the key inwards and then turning. Also, please remember to plug the cable from the controller into the battery - it's easy to forget!

Finally, enjoy the bike and if you have any questions please get in touch either through ebay messaging or [admin@alienocean.co.uk](mailto:admin@alienocean.co.uk). Also, please visit the web site [www.alienocean.co.uk](http://www.alienocean.co.uk).

