

# ULTRAMAX<sup>®</sup>

## USER MANUAL

LiFePO4 Battery Pack Smart Charger For 12.8V/29.2V LiFePO4 Battery Pack

Charging instructions:

Please make sure you read this manual before charging your battery for the first time.

Your charger is suitable only for Lithium Phosphate Batteries

- 1- Ensure your charger's voltage and your battery voltage are compatible.  
12.8 Volt Charger charges 12V lithium batteries  
29.6 Volts Charger is suitable for 24V lithium batteries
- 2- Connect the charger to the battery using the crocodile clips.
- 3- Connect the charger to the mains supply.
- 4- The charging process will start, await when the LED light comes on, this indicates the power is on.

LED : RED                      Indicates Battery is charging

LED : GREEN                  Indicates Power is ON / Battery is not connected / if connected, Battery is fully charged

- 5- After finishing the charging process, it is recommended to disconnect the charger from both the mains supply and the battery.
  - a) If the battery is not charging check that you have a solid connection between the charger and the battery terminals.
  - b) Sometimes the battery is over discharged so leave it for 12 hours before checking again the colour of the LED.
  - c) Disconnecting the charger after the battery is fully charged is recommended
  - d) Do not leave your battery to over discharge before recharging it.
  - e) Recharge battery as soon as it is discharged, no battery likes to be left uncharged for long as they get damaged.
  - f) Do not charge LiFePO4 battery if room temperature is below 0° C, they will get permanently damaged. Charge ideally at room temperature.
  - g) Ensure your charger is suitable for your battery. The lower the charger amperage the longer it takes to charge your battery. You can read the terms "Charger Voltage" and "Amperage" from the name plate on the back of the charger.