

# Maxi

BATTERIES DIRECT



## Lithium Battery and Charger USER MANUAL

KEEPING GOLFERS ON THE MOVE SINCE 1989



## FEATURES

- MCU controlled, fully auto 3-stage charging process.
- 4 stage LED display indicates battery capacity from 25%–100%.



## SAFETY PROTECTIONS

- Power on is indicated with the red LED.
- Over voltage protection.
- Short circuit protection.
- Polarity error protection.
- Over power protection.



## HOW TO USE

1. Connect the AC cord to the mains. The red lamp will light on solid.
2. Connect the positive (red) charger clip to the positive battery terminal and the negative (black) clip to negative terminal.  
You can use other DC plugs to connect the battery to the trolley if required.
3. The LEDs will light in sequence to indicate 25% - 100% capacity.
  - If the battery polarity is reversed or output shorted, 4 lamps will flash to indicate a fault. If this occurs, unplug the device and charger to reset.
  - A Single red LED flashing indicates a fault in the charger – contact manufacturer if this occurs.

### Specification

INPUT: AC 100-240V 50-60HZ 1.0A

OUTPUT: DC 14.4V - CHARGING CURRENT: 4A

WEIGHT 350G

The charger is designed for charging Li-Ion/LifePo4 batteries to 14.4V. Do not use for any other purpose.

## CAUTION ON BATTERIES AND DEVICES BEFORE CHARGING

1. When charging, batteries can emit explosive gases, therefore it is essential to prevent flames and sparks. The charger is designed for charging Li-Ion/LiFePo<sub>4</sub> batteries to 14.4V. Do not use for any other purpose.
  2. Always provide good ventilation when charging as charger can become warm.
  3. Use of an attachment not recommended or sold by Maxi may result in a risk of fire, electric shock or serious injury to persons.
  4. To reduce risk of damage to electric plug and cord, pull by the plug rather than by the cord when disconnecting charger.
  5. An extension cord should be avoided. Use of an improper extension cord could result in a risk of fire and electric shock.
- If an extension cord must be used, make sure that the pins on the extension plug match those on the charger plug, that the extension cord is properly wired and in good condition and the wire size is suitable for the AC ampere rating.
6. Do not operate charger with a damaged cord or plug-return the charger to the place where purchased.
  7. Never operate the charger if it has received a sharp blow, been dropped or otherwise damaged in any way; take it to a qualified serviceman.
  8. Do not disassemble the charger or battery your warranty will be void; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electrical shock or fire.

## WARRANTY DETAILS

- The Maxi Power battery and charger are both covered by a FULL 36-month warranty. The warranty covers manufacturing defects that occur during normal use. Any breakage caused by accidental damage or as a result of abuse, misuse or commercial use is not covered.
- It is important to note that the Battery Management System (BMS) in your Maxi Power battery is designed to protect your battery from over discharge - a condition proven to seriously shorten the life of your battery. If the battery is left discharged for too long, the BMS may prevent charging to protect the battery. If this occurs, please contact Maxi Power for advice. If a reset is required, the remaining warranty period will be voided.
- If you encounter a problem with your battery or charger within the warranty period, please contact the place of purchase for warranty advice. In the unlikely event you need to make a claim you must provide your proof of purchase so please ensure this is retained.
- Any repairs or replacements made without charge do not carry a new warrant beyond that of the original purchase. The warranties contained herein are offered as an extra benefit and do not affect your statutory rights as a consumer.

## FAQS

### *Are Maxi Power Lithium batteries compatible with lead acid chargers?*

Maxi Power Lithium batteries must only be charged using the charging equipment supplied with the battery. Do not charge the battery using any other charging equipment.

### *Are Maxi Power Lithium batteries dangerous?*

The Maxi Power Lithium range is made from LiFePO<sub>4</sub> (Lithium ion Phosphate) which is widely recognised as the safest type of lithium battery.

### *How do I connect a Maxi Power Lithium battery to my trolley?*

Maxi Power Lithium batteries are compatible with many electric trolleys using various connection types. Interconnect cables and Red & Black/ Torberry connectors are fully compatible with the Maxi Power range. If your trolley uses a different connection, please contact us for instructions.

### *How long will a Maxi Power Lithium battery last?*

The lifetime of a battery is determined by a number of factors including: regularity of play, weight of golf bag, course type, trolley age and trolley type. Therefore, a specific time frame cannot be given.

### *How long will it take to charge a Maxi Power Lithium battery?*

The specifically developed charging unit is designed to fully charge the battery in less than 4.5 hours.

### *How should a Maxi Power Lithium battery be stored if not used for periods of time?*

For storage in excess of 2 months, it is

recommended to fully charge the battery before reducing the level of charge to around 60% (ideally by using it for 40% of its capacity). It should then be fully charged prior to its next use.

### *Should a Maxi Power Lithium battery be recharged if not been used for a full round?*

Maxi Power Lithium batteries do not suffer from a "memory effect" seen in certain other high technology batteries. This means that it will not cause any damage to the battery. The only effect will be a quicker charge.

### *What is the best way to maximise the life of a Maxi Power Lithium battery?*

Thanks to the advanced battery management system, the Maxi Power Lithium battery is protected against overcharging and excessive discharge during use. There is still a danger of damage to the battery if left un-charged after use. The best way to prolong the life of your battery is to charge it as soon as possible after each round.

### *What is the safest way to dispose of a Maxi Power Lithium battery?*

At Maxi Power we are dedicated to protecting the environment and strongly recommend disposing of our batteries in a safe and environmentally friendly way. Lithium batteries can be taken to a registered recycling point.

### *What maintenance is recommended for Maxi Power Lithium batteries?*

In addition to regular charging, it is recommended to regularly check the battery connections and keep the battery clean with a damp cloth.