



FourStar Golf Cruiser

Battery Charging

In order to get the best life out of your FourStar Golf Cruiser, the correct battery charging routine must be followed. Correctly following this guide will ensure that the batteries are maintained correctly and keep you running out on the course. It is essential that this guide be followed as failure to do so may result in damage to the batteries or significantly shortening their life span.

N.B. Overcharging the batteries will cause severe damage and will not be covered under warranty.

Charging procedure:

It is recommended that a timer switch is used when charging to avoid accidental overcharging of your FourStar Golf Cruiser. Electric Vehicles Enzed (EVE) will supply a charger with the purchase of a FourStar Golf Cruiser free of charge. Timer switches are also available from any good hardware or electrical store.



Fig. 1: HPM timer switch

Instructions on how to use this switch are located on the back of it.

There are 2 types of chargers that are available with the FourStar Golf Cruiser. Both charges operate in the same manner and will charge the batteries at the same rate.



Fig. 2: Chargers. Type 1 on the left and Type 2 on the right.

Step 1:

Set the timer switch for 6 hours (as per the instructions on the timer switch)

Step 2: Locate the charging points on your FourStar Golf Cruiser.

There are 2 charging points on the FourStar Golf Cruiser. These are located under the seat/body of the vehicle, on top of the battery box. They are covered by chrome metal screw caps (rubber caps on older vehicles).

Unscrew the cap off one of these points for access to the charging port.

N.B.: It does not matter which charging point is used as they are both connected together internally to the charging circuit. Swapping between the two is not required at any stage during the charging process or during the life of the FourStar Golf Cruiser.



Fig. 3: Charging Ports.

Step 3: Connect the charger to the vehicle.

Attached to the charger is the charging lead. This is a small round plug with 3 holes in the end and a notch cut out on the round surface.



Fig. 4: Charging plug.

Insert the plug into the charging port on the vehicle, rotate the plug to align the notch with the port. The plug should slide in to the port to cover all of the black plastic on the plug and the metal surface of the plug and port should meet.



Fig. 5: Charger connected.

Step 4: Connect the charger to the mains.

Connect the standard three pin 240 volt plug to the timer switch (pre-set to the correct charging period), then plug the timer switch to any standard 240 volt household power outlet.



Fig. 6: Connected to the mains power.

Step 5: Check the charger is on and charging condition.

On both types of chargers there are lights to indicate if the charger is on and charging.

A Type 1 charger has 1 LED light that when connected properly and is charging will display a red light. When the batteries are charged, the red LED light will change to green to indicate that the charging is complete.



Fig. 7: Charging (Red Light)



Fig. 8: Charged (Green Light)

On Type 2 chargers, there are 2 lights. These are labelled on the charger. The light on the left side indicates the charge status (red = charging, green = charging complete), the light on the right side indicates the charger is connected to the mains power and should always display green.



Fig. 9: Charging (Red and Green)



Fig. 10: Charged (Green and Green)

Step 6: Completion of charging period.

At the completion of the charging period (see below for recommended charging periods), the LED indicators may not always change to the green colour. This is not essential as the time period is more of an accurate indicator of how long to charge the batteries for.

When the time period for charging is complete, simply turn off the charger at the 240 volt mains supply and disconnect the charger from the vehicle and replace the screw cap on the charging port to prevent dirt and debris from entering it.

It is not necessary to switch the charger over to the other charging port, they are both connected to the charging system together.

IMPORTANT! Charging periods.

EVO recommends the following charging time and frequency:

After 18 holes of golf: 6 hours charging time

After 36 holes of golf: 8 hours charging time.

Charging frequency:

For best life span of the batteries, it is best to keep them in a constantly charged state.

The batteries should be charged to the correct time period within 4 hours of use.

I.E. after finishing your round of golf, you should connect the charger and timer and set it for the correct time period within 4 hours.

For extended storage:

If the vehicle is not being used for an extended time, the batteries should be charged every 2 weeks in order for the maximum life span to be achieved. This should be for a maximum of 6 hours (always use the timer).

IMPORTANT!

Failure to follow the procedures above could result in damage or reduced life span of the batteries. Overcharging of the batteries in any way will result in severe damage to them. Any of the above mentioned will void any warranty on the batteries and EVE or its distributors and dealers will not cover any replacement costs and all replacement batteries will be at the customer's expense.

For any questions or assistance with your FourStar Golf Cruiser, please contact:

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222 Ruahine Street

Palmerston North, New Zealand

Phone 0800 000 605

www.electricvehiclesened.co.nz

or your nearest authorised distributor or dealer (under the distributors tab on the above website).