MY ELECTRIC VEHICLE

Lithium battery

Charging Information

Introduction

Your MEV City vehicle has two different battery systems and it is important to understand how they work together so that you are able to enjoy your MEV City product without occurring any battery level issues

1. 12v Lead Acid Battery 120Ah
2. 72v Lithium Battery 144Ah

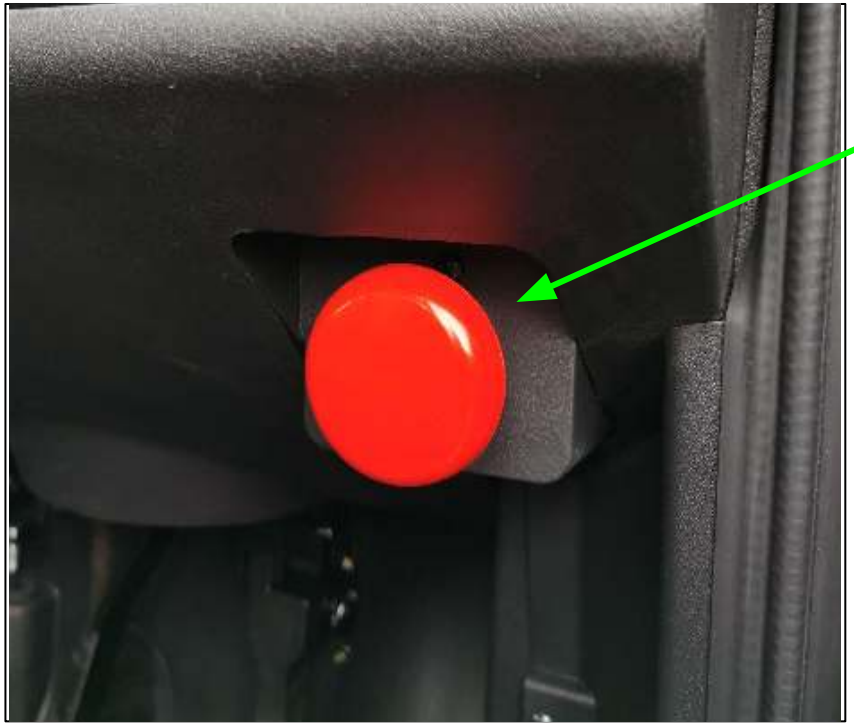
12v Battery System

The 12v battery system is the lifeline of the vehicle, It runs all a normal vehicle items lights, radio, window wipers,etc. But it also has a secondary important job. All lithium battery systems have a battery management system (BMS) this helps manage the lithium battery cells constantly, the 12v battery also runs this system when the battery isolation button is in the **(ON)** position **(ON) POSITION IS THE RED BUTTON PULLED OUTWARDS**

Note: (WHEN THE RED ISOLATION BUTTON IS PUSHED IN ON THE (OFF) POSITION THE LITHIUM BMS SYSTEM IS NOT RUNNING AND YOU WILL NOT BE ABLE TO CHARGE YOUR VEHICLE AT THIS TIME) This habit of keeping the red button in the off position after use can increase the stand by time of the 12v battery, If left in the on position the 12v battery will be constantly used by the BMS system and your 12v battery will become exhausted after a few days if vehicle is not used regularly.

Note: THE 12V BATTERY ONLY CHARGES FROM THE LITHIUM BATTERY PACK WHEN THE VEHICLE IS BEING DRIVEN OR IGNITION IS IN THE ON POSITION AND ISOLATION BUTTON IS OUT IN THE ON POSITION! If the vehicle is being used only for short journeys on a daily basis it would benefit from the occasional 12v battery being left charging by leaving the ignition in the on position while parked up for a couple of hours to keep charge topped up.

72V LITHIUM BATTERY CHARGING



The isolation switch needs to be in the out (ON) position before charging process would be able to be started

Ignition key position

Ignition key needs to be in the off position or removed while charging process takes place

Connecting charging cable

Now the charging cable can be connected to the vehicle charging point, once this has been done and the charging pile connector has been connected there will be a short time to allow communication between OBC (onboard charger) and charging supply, once this has completed charging will commence you should also hear the OBC cooling fan cut in this will run constantly while charging process is completed

Also if you look at the LCD Dashboard the battery level indicator will show the charging state and estimated time to complete the charging process

FOR ANY FURTHER ASSISTANCE PLEASE CONTACT

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