How batteries are connected in Series 24v - 36v - 48v Golf Carts - Mobility Cars - Industrial Equipment

Most electric vehicles have multiple batteries connected in series. What this means is the batteries are chained together by connecting the positive of one battery to the negative of the next battery. If each battery is 6v then when you connect them in series the outside posts are 6v + 6v = 12v. If there are more batteries then the voltage continues to go up. A 36v golf cart usually has 6 x 6v batteries = 36v on the outside posts. The main reason for this is the higher the voltage the lower the current which means smaller wires and more efficiency.

Using our 24v - 36v - 48v Charger Maintainers is very easy because they are totally automatic. The only thing you need to know is the voltage of your vehicle. Most new Golf Carts have gone from 36v to 48v again because they are more efficient. The usual configuration for 48v carts is 6 x 8v = 48volts. For 36v vehicles it's 6 x 6v = 36volts. All of our Charger Maintainers come with two sets of cables. Alligator clip-on cables and Battery Terminal Cables. Using the Alligator clip-on cables first, plug the Charger in the AC outlet and then proceed to temporarily connect the Charger to the location that you think is the beginning + of the first battery to the ending - of the last battery. You can't hurt anything if you choose the wrong terminals to test... simply if you choose the correct location the Green LED on the Charger will light up... if you get a RED LED it's not the right location. When working with batteries make sure you take care not to allow anything other than the test leads to touch the battery terminals. If you are not sure what to do have someone who is battery literate do this for you. Once you have found the correct location you can install the permanent Battery Terminal Cable by removing the terminal nuts, slipping the ring connector over the terminal and then putting the nut back on.