

# Important Battery Tips

In situations where multiple batteries are connected in series, parallel or series/parallel, replacement batteries should be the same size, type and manufacturer (if possible). Age and usage level should be the same as the companion batteries. Do not put a new battery in a pack which is more than 6 months old or has more than 75 cycles. Either replace with all new or use a good used battery.



This is the date code that is stamped on top of the negative terminal. The letter stands for the month and the number the year. This battery was made in March of 2003.

## Winterizing the battery pack

Batteries can freeze in cold temperatures if they are not fully charged. If batteries are stored during cold, winter months, it is critical that they are kept fully charged.



When you fill your battery with water DO NOT FILL TO TOP! Look inside for the plates and fill to ½ inch over the plates AFTER CHARGING.

# Six Volt Deep Cycle Battery



There are three cells in a six volt battery each one is a maximum finished charge voltage of 2.5 for a total of 7.5 volts. The supply voltage (under load) at full charge will be 2.14 volts per cell.

## IMPORTANT

Nearly all batteries will not reach full capacity until cycled 10-30 times. A brand new battery will have a capacity of about 5-10% less than the rated capacity.



Deep cycle batteries have a reservoir of space near the bottom that makes them taller than starting batteries. The plates inside are thicker than auto batteries too. Deep cycle batteries will charge back up from being discharged without harming permanently. The small amount of oxide that sloughs off the plate lands in the reservoir space and does not come into contact with the plates, keeping them from shorting out. Since the plates are thick they can survive many cycles before they fail.

## The Golf Cart Battery



# The Battery

The Heart of your boat



This type of battery is designed to be charged and discharged hundreds of times. An automobile battery cannot be cycled like a golf cart battery. The alternator in a car provides the electricity once the engine starts running. The car battery is designed only to start the engine.

1250 to 1275 indicates a full charge. As the battery ages 1250 will be the highest level which is normal. 1225 is half, 1100 is empty. Expect over 900 cycles if battery is not discharged more than 50%. Below 50% expect 350 cycles or less.



The Trojan six volt T-105 battery will put out 75 amps for 115 minutes. This battery would be considered a 225 amp rated.



Trojan stamps the date the battery was made into the top of the negative post. The letter represents the month and the number equals the year. This battery was made in March of 2003