

## Capacity Tester Indicator for 12V, 24V and 48V Lead-acid Batteries

I found the following to be a low cost and reasonably accurate and quite workable in an emergency environment. The reading is most reliable when the battery is at rest not charging or discharging. It comes set to work with a 12V Lead-Acid battery of any capacity or size. It measures voltage and estimates capacity according what voltage it measures. I recommend as a minimum recharging when at or below 30% or 11.9 resting volts. This is to avoid reversing a weak cell and thus making it a leaky cell, which ultimately kills the battery?

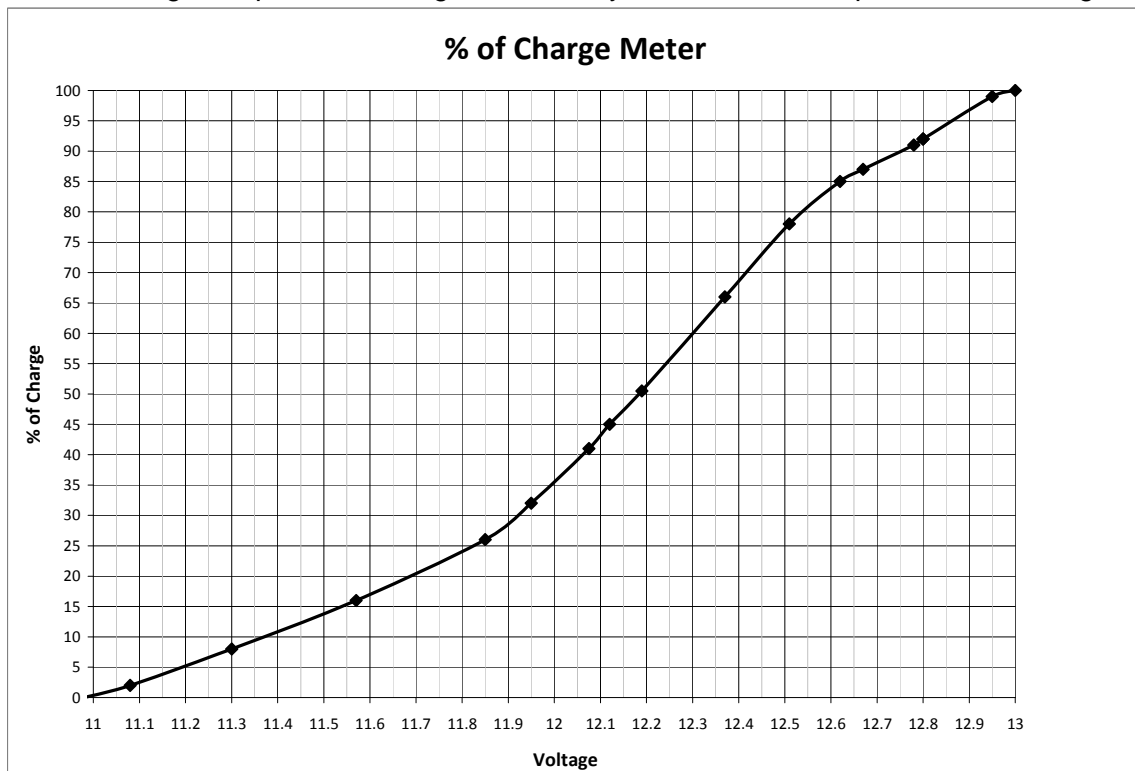


Cost about 4-5\$.

See for example: <http://www.ebay.com/itm/131629566408>

Be sure it says it will work with Lead-acid batteries and will measure the voltage you need.

The following is the voltage ver. % charge capacity curve for this meter. When temperature raises so does the lead-acid battery voltage rise. This meter uses the same curve independent of temperature thus the readings will be a bit high at low temperature and low at high temperature with good accuracy around room temperature of 72 deg F.



A typical car battery has about 40-80 amp-hr fully charged or about 1 amp-hr/pound of battery. A typical deep cell battery has about 100-200 amp-hr fully charged or about 2 amp-hr/pound. By weight one can estimate the maximum capacity.