

“Competition makes us work harder so you don’t have to”

Get The Facts!

This Just In From U.S. Battery!

U.S. Battery has been a supplier of premium flooded deep cycle batteries since 1926. During that time, our golf car batteries have been the choice of golf car manufacturers because the product does what we say it will do. Today, **U.S. Battery** is the leading supplier of deep cycle batteries across multiple market segments the world over.

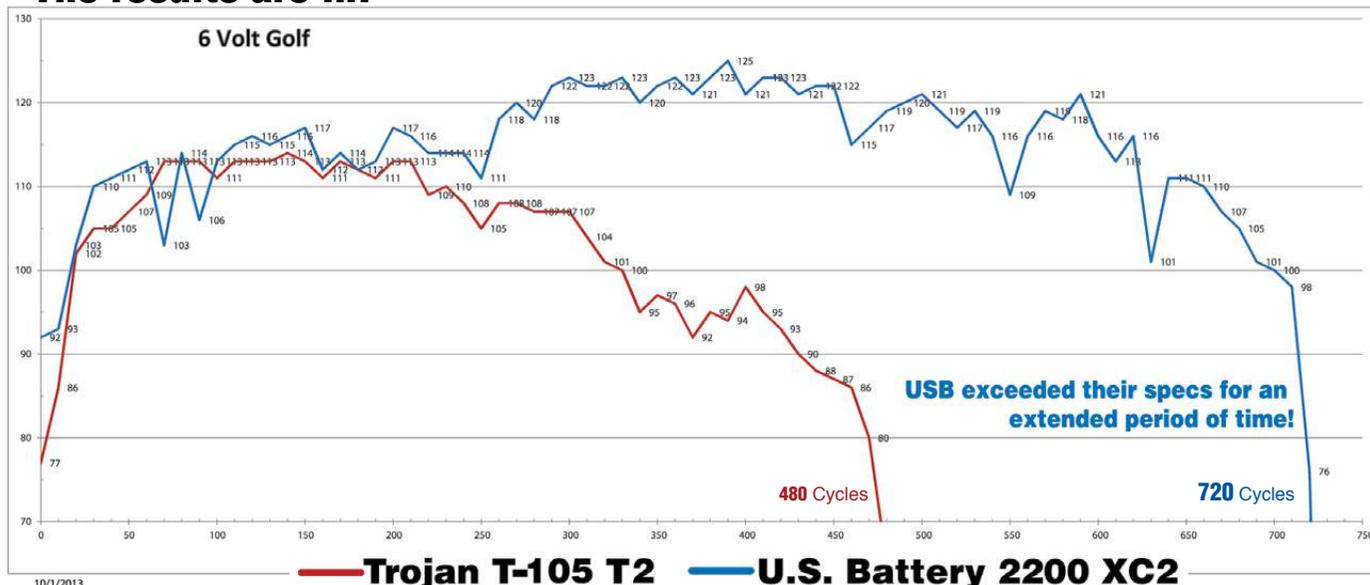
XC Diamond Plate Technology has proven itself as the first real improvement in deep cycle batteries since its inception in 2006. In 2011, we took the next step up to bring you Xtreme Capacity 2 (XC2). One look at our 20 Hour Rate is evidence of the performance advantage of the improved **U.S. Battery** formula.

- US 2200 XC2**
 5hr rate @ 181
 20hr rate @ 232
 100hr rate @ 258
 min. @ 75 amps 122
 min. @ 56 amps 179
 min. @ 25 amps 474



Recently a very large and well respected battery expert decided to take measures into their own hands; to find out for themselves which 6-volt golf car battery performed the best. The testing was performed using state of the art computer controlled test machines, designed to discharge the battery pack at the proper discharge rate used in the golf car industry, 75 amps. Each cycle discharged the battery pack down to 1.75 volts per cell, or 100% of useful capacity without damaging the test samples. The battery pack was then recharged at the proper rates, as specified by the respective battery manufacturer’s recommendations, the standard for testing as outlined by the BCI. This process was repeated until the batteries could no longer meet 50% of their rated capacity. As you can see from the chart below, it takes a lot of time and effort to achieve the correct life cycle test results. We wish to sincerely thank our battery expert for their efforts to accurately and honestly identify performance results versus unsubstantiated claims.

The results are in.



Independent Test Results
 Blind test from batteries taken directly off store shelf.
 Neither Trojan or U.S. Battery were involved in testing.

- US 2200 XC2** - Highest initial capacity.
- US 2200 XC2** - Fastest cycle up to full rated capacity.
- US 2200 XC2** - Exceeds rated capacity.
- US 2200 XC2** - Highest total energy delivered over a longer cycle life.

For more information or questions, please visit WWW.USBATTERY.COM

US 2200 XC2 - DATA SHEET

Deep Cycle 6 -Volt



Application: Wherever Deep Cycle 6-volt batteries are needed.

Dimensions: 10-1/4 (260)L x 7-1/8 (181)W x 11-1/4 (286)H

Type: Flooded Lead Acid (FLA) non-sealed.

Case material: Polypropylene / Heat Sealed



US 2200 XC2 - SPECIFICATIONS

BCI Group Size	Model	1-hr Rate	2-hr Rate	5-hr Rate	6-hr Rate	10-hr Rate	20-hr Rate	48-hr Rate	72-hr Rate	100-hr Rate	Voltage	Standard Terminal Type	AMP HOURS (20 HR. RATE)	MINUTES @ 75 AMPS	MINUTES @ 56 AMPS	MINUTES @ 25 AMPS	Length (260)	Width (181)	Height (286)	Wet Weight Lbs (kg)
GC2	US 2200 XC2	133	152	181	187	206	232	246	252	258	6	UTL	232	122	175	474	(260)	(181)	(286)	62 (28)

TERMINAL OPTIONS:



VENT CAP OPTIONS:



CHARGING INSTRUCTIONS:

Following is the charging recommendation and charging profile using 2 stage chargers for US Battery deep cycle products. *Equalization and float charge modes are not considered to be one of the stages in a charging profile.

- Bulk Charge** Constant current @~10% of C/20 Ah in amps to 2.45+/-0.05 volts per cell (e.g. 7.35 volts +/-0.15 volts per 6 volt battery)
- Absorption Charge** Constant voltage (2.45+/-0.05 vpc) to 3% of C/20 Ah in amps then hold for 2-3 hours and terminate charge. Charge termination can be by maximum time (2-4 hr) or dV/dt (4 mv/cell per hour)
 - (Optional Float Charge)** Constant voltage 2.17 vpc (6.51 volts per 6 volt battery) for unlimited time
 - Equalization Charge** Constant voltage (2.55+/-0.05 vpc) extended for 1-3 hours after normal charge cycle (repeat every 30 days)

Notes: Charge time from full discharge is 9-12 hours.
Absorption charge time is determined by the battery but will usually be ~3 hours at 2.45 volts per cell.
Float time is unlimited at 2.17 volts per cell.
Specific gravity at full charge is 1.270 minimum

Battery temperature adjustment: reduce the voltage by 0.028 Volts per cell for every 10°F above 80°F, increase by the same amount for temperatures below 80°F.

Deep cycle batteries need to be equalized periodically. Equalizing is an extended, low current charge performed after the normal charge cycle. This extra charge helps keep all cells in balance. Actively used batteries should be equalized once per month. Manually timed chargers should have the charge time extended approximately 3 hours. Automatically controlled chargers should be unplugged and reconnected after completing a charge.