



US 1HC XC2

• DEEP CYCLE

- BCI Group N/A, 6V
- Reserve Capacity [Ah@20hr rate]: 95
- Reserve Capacity [Ah@100hr rate]: N/A
- Energy [kWh]:
- Weight: 118 lbs.
- Length: 8.75 in (222 mm)
- Width: 6.88 in (175 mm)
- Height: 9 in (228 mm)
- UTL / UT / OS / DUAL / SAE / LL / SL / FB
- SPEEDCAP / BAYONET



U.S. Battery's Flooded Lead Acid batteries are engineered and proven to provide the fastest cycle-up to full rated capacity, and have the highest total energy delivered over the life of the battery.

Building the best Flooded Lead Acid Battery on the market comes from a better battery cell design, hand-made construction, and attention to details.

Made in America, U.S. Battery FLA batteries utilize the company's exclusive XC2™ formulation and Diamond Plate Technology®, allowing them to reach peak capacity in fewer cycles, higher total energy delivery, and an extended battery life. The high charge efficiency design also meets new California Energy Commission regulations for combined charger/battery charge efficiency. And because of U.S. Battery's unique design and variety of sizes in 6, 8 and 12-volt applications, the FLA batteries offer the most compatibility with the wide range of chargers used in the field. This is why U.S. Battery's proven manufacturing processes, along with its reliable and dependable service, continues to be the most trusted world-wide brand for more than 88 years.





DATA SHEET

MODEL **US 1HC XC2**

VOLTAGE **6V**

CAPACITY **95Ah @ 20Hr**

MATERIAL **Polypropylene / Heat Sealed**

BATTERY TYPE **Deep Cycle Flooded / Wet Lead Acid Battery**

6V

PRODUCT + PHYSICAL SPECIFICATIONS

| BCI Group Size | Type | Voltage | Cell(s) | Terminal Type ^G | Dimensions ^C Inches (mm) | | | Weight Lbs. (kg) |
|----------------|------------|---------|---------|----------------------------|-------------------------------------|------------|---------------------|------------------|
| | | | | | Length | Width | Height ^F | |
| N/A | US 1HC XC2 | 6 | 3 | SAE | 8.75 (222) | 6.88 (175) | 9 (228) | |

ELECTRICAL SPECIFICATIONS

| Cranking Performance | | Capacity ^A Minutes | | | | | | | | | | | |
|------------------------------------|--------------------------------|-------------------------------|-----------|-----------|------|------|------|------|-------|-------|-------|-------|--------|
| C.C.A. ^D @ 0°F (-18° C) | C.A. ^E @ 32°F (0°C) | @ 25 Amps | @ 56 Amps | @ 75 Amps | 1-Hr | 2-Hr | 5-Hr | 6-Hr | 10-Hr | 20-Hr | 48-Hr | 72-Hr | 100-Hr |
| — | — | 165 | | 44 | | | | | | 95 | | | |

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.

1. 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)

2. 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)

3. (Optional Float Charge)

Constant voltage 2.17 vpc (6.51 volts per 6 volt battery) for unlimited time

Constant voltage (2.55+/-0.05 vpc) extended for 1-3 hours after normal charge cycle (repeat every 30 days)

4. Equalization Charge

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

TERMINAL OPTIONS:



VENT CAP OPTIONS:





QUALITY FROM THE INSIDE OUT!

U.S. Flooded Lead Acid Batteries

Handcrafted in the USA, U.S. Battery FLA deep cycle batteries utilize our exclusive XC2™ formulation and Diamond Plate Technology®, allowing them to reach peak capacity in fewer cycles, higher total energy delivery, and an extended battery life. The high charge efficiency design also meets new California Energy Commission regulations for combined charger/battery charge efficiency. And because of U.S. Battery's unique design and variety of sizes in 2, 6, 8 and 12-volt applications, our FLA batteries offer the most compatibility with the wide range of chargers used in the field.

- 1 SpeedCap™ Venting**
Positive locking system
- 2 High-Torque Terminals**
- 3 Heavy Duty Internal Connections**
Outperform the competition
- 4 Xtreme Capacity 2 High Density Paste**
Maximizes runtime and battery life
- 5 Extra Thick Fiberglass Backing**
Ensures Maximum Life
- 6 Premium Microrib Flexil Separators**
- 7 Rugged Polypropylene Case**

