



# Unlocking Powerhouse Performance: The US 185HC XC2 Deep-Cycle Battery Explained

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### Why This Battery Outshines the Competition

Imagine a marathon runner who never tires - that's essentially what the US 185HC XC2 brings to industrial power solutions. This 12V deep-cycle battery isn't your average power source; it's the secret weapon for equipment requiring stamina and reliability. With 220AH capacity and specialized XC2(TM) technology, it's like having an endurance athlete powering your operations.

### Core Technical Specifications

Voltage: 12V DC Powerhouse

Capacity: 220AH @ 20-hour rate

Discharge Performance: 117 minutes @75A load

Dimensions: 397mm (L) x 179mm (W)

Cycle Life: 1,200+ deep discharge cycles

### Engineering Breakthroughs Under the Hood

What makes this battery the industry's best-kept secret? Let's break down its DNA:

#### Diamond Plate Technology(R)

Think of this as battery armor. The diamond-patterned lead plates:

- Increase surface area by 22% compared to standard plates

- Resist corrosion 3x longer than conventional designs

- Enable faster recharge cycles (meets CEC Tier III efficiency standards)

#### XC2(TM) Electrolyte Formula

The "secret sauce" in every cell:

- Reduces water loss by 40% during operation

- Maintains optimal specific gravity (1.265-1.299)

- Extends maintenance intervals to 90-120 days

### Real-World Applications That Demand Reliability

From golf courses to solar farms, here's where this battery shines:



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## Industrial Workhorses

- Golf & Utility Vehicles: Powers 36-hole courses on single charge
- Aerial Platforms: JLG 600S lifts achieve 8-hour runtime
- Floor Scrubbers: Tennant T300 machines clean 25,000 sq.ft per charge

## Renewable Energy Solutions

In solar installations:

- Supports 5kW systems for 12+ hours backup
- Withstands 80% depth-of-daily discharge (DoD)
- Operates in -20°C to 50°C extremes

## Maintenance Made Simple

While these batteries aren't "install and forget," their smart design reduces headaches:

- Water Monitoring: Patented Hydrolink(R) indicators show refill needs
- Terminal Protection: Lead-tin alloy resists corrosion
- Case Durability: ABS copolymer withstands 360° impacts

## Charging Best Practices

- Use smart chargers with temperature compensation
- Maintain 14.4-14.8V absorption voltage
- Limit equalization to 15.5V for 2-3 hours monthly

## Industry Recognition & Compliance

This workhorse meets rigorous standards:

- UL 2580 certification for motive power
- California CEC Title 20 efficiency compliance
- ISO 9001:2025 manufacturing standards

In the world of deep-cycle batteries, the US 185HC XC2 isn't just keeping pace - it's setting the tempo.



## **Unlocking Powerhouse Performance: The US 185HC XC2 Deep-Cycle Battery Explained**

Whether you're maintaining a fleet of golf carts or powering remote telecom stations, its blend of endurance and intelligence makes it the silent partner your equipment deserves.

Web: <https://www.sphoryzont.edu.pl>