



ODYSSEY
THE EXTREME BATTERY

**EXTREME SERIES
ODX-AGM31M**

EXTREME POWER AND ENDURANCE

- **MAINTENANCE FREE – AGM VALVE REGULATED**
 - BCI Group 31M, 12V
 - CCA 1150 / MCA 1370 / PHCA 2150
 - Reserve Capacity [min]: 205@25 A
 - Reserve Capacity [Ah@20hr rate]: 100
 - Weight: 77.80 lbs.
 - Length- 13.00 in (330.00 mm)
 - Width- 6.80 in (173.00 mm)
 - Height- 9.50 in (241.00 mm)
 - SAE AND 3/8-16" POSITIVE AND 5/16-18" NEGATIVE

ODYSSEY EXTREME SERIES BATTERY MODEL ODX-AGM31M FORMER 31M-PC2150ST



Today's commercial vehicles have to power a range of accessories, both inside the cab and out. And whether on the road, the farm, or the jobsite, ODYSSEY batteries have the power to start any job, and the durability to last until it's finished.)

Featuring rugged construction and packed tightly with pure lead plates, the non-spillable AGM design ODYSSEY battery protects against the shock and vibration that can quickly destroy other batteries. And the pure lead plates mean 2 times the overall power and 3 times the life of conventional batteries, up to 400 cycles at 80% depth of discharge!

Bottom line? ODYSSEY batteries deliver massive starting power, rapid recovery, and extreme durability that heavy duty and commercial vehicles demand.

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DESIGN ADVANTAGES

1

Robust Intercell Connections

Are cast to the plates and bonded to resist vibration and eliminate internal sparking

2

99% Pure Lead Plates

Are extremely thin, so more of them fit in the battery. More plates = more power

3

Upgraded Brass Terminals

Ensure secure, corrosion free cable connections (some models may have plated brass terminals)

4

Compressed AGM Plate Separators

deliver extreme vibration resistance and prevent spills, even when battery is installed on its side



ODYSSEY BATTERIES VS SPIRAL WOUND DESIGN

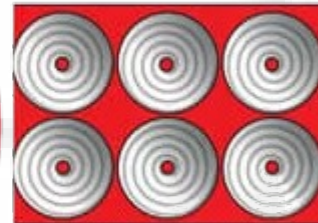
ODYSSEY® batteries



15%
more plate
surface area



Spiral-wound design



■ Unused battery space

ODYSSEY

THE EXTREME BATTERY

WHY USE ODYSSEY BATTERIES

Better warranty

Up to 4-year limited full replacement warranty — not pro rata.

Longer service life

3-10 years of service life to save you time, money, and aggravation

Longer cycle life

70% longer cycle life than conventional deep cycle batteries — high stable voltage for longer periods of time.

Longer shelf life

Can be stored on open circuit (nothing connected to the terminals) without recharging for up to 2 years or 12.00V, whichever occurs first.

Faster recharge

The highest recharge efficiency of any sealed lead battery on the market — capable of 100% recharge in 4-6 hours.

Mounting flexibility

Non-spillable design — can be mounted on any side in any position except inverted.

Vibration resistance

Design protects against high impact shock and mechanical vibration — a common cause of premature battery failure.

Extreme temperature tolerant

Operating temperatures from -40°C (-40°F) to 45°C (113°F), for models without a metal jacket, and from -40°C (-40°F) to 80°C (176°F) for models with a metal jacket.

Totally maintenance free

No need to add water, ever! Drycell design with resealable venting system.

Improved safety

US Department of Transportation classified as a ‘non-spillable’ battery. No acid spills, no escaping gases.

	ODYSSEY EXTREME BATTERIES	CONVENTIONAL BATTERIES
DESIGN LIFE	8-12 YEARS (Float) @ 77F (25C)	5 years
SERVICE LIFE	3 to 10 years	1 to 5 years
ELECTROLYTE	Drycell (“starved electrolyte”) no external leakage or corrosion	Most are acid flooded (causing acid burns and spills); some wet sealed or gelled
STORAGE LIFE	2 years before needing charge @ 77F (25C)	6-12 weeks before needing charge
SHIPPING	Air transportable up to BCI31;US Department of Transportation classified non spillable (less expensive)	Ground Transport; classified as hazardous resulting in more expensive (flooded batteries)
END OF LIFE	Battery Slowly loses power at end of life; no catastrophic failure	Immediate and catastrophic loss of power (can leave you stranded)