



ODYSSEY
THE EXTREME BATTERY

PERFORMANCE SERIES
ODP-AGM78

EXTREME POWER AND ENDURANCE

- **MAINTENANCE FREE – AGM VALVE REGULATED**

- BCI Group 78, 12V
- CCA 800 / MCA 1000 / PHCA 1500
- Reserve Capacity [min]: 130@25 A
- Reserve Capacity [Ah@20hr rate]: 65
- Weight: 47.10 lbs.
- Length- 10.80 in (274 mm)
- Width- 6.80 in (173 mm)
- Height- 7.40 in (188 mm)

ODYSSEY PERFORMANCE SERIES BATTERY MODEL ODP-AGM78
FORMER 78-790



Whether for everyday or emergency use, today's vehicles are loaded with more electronics than would have been imaginable just a few years ago. ODYSSEY batteries have been designed to keep up with the changes. Because their plates are made of pure virgin lead (unlike the lead alloy in most batteries), we can pack in more plates. And more plates mean more plate surface area, and much more power - twice the overall power and three times the life of conventional batteries - up to 400 cycles at 80% depth of discharge!

ODYSSEY batteries deliver the massive starting power, rapid recovery, and amazing deep cycling capability that today's vehicles demand.

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

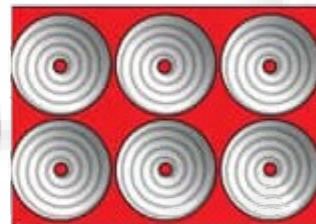


ODYSSEY BATTERIES VS SPIRAL WOUND DESIGN

ODYSSEY® batteries



Spiral-wound design



■ Unused battery space

ODYSSEY

THE EXTREME BATTERY

	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)

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.