

INTRODUCING  
**ODYSSEY**<sup>®</sup>  
*Performance*  
SERIES™

**More overall power and longer service life than conventional batteries**

Designed to handle the increased use of onboard accessories in today's vehicles, ODYSSEY® Performance Series™ batteries combine long service life, high reliability and deep cycle capabilities.

**Packed with pure lead power**

ODYSSEY Performance Series batteries contain flat plates made of 99.99% pure lead – not lead alloy, like many conventional batteries. Pure lead plates can be made thinner, so we can fit more of them in the battery. More plates mean more plate surface area, which means more power when you need it.



**31-800**

ODYSSEY Performance Series batteries provide all the reliability of ODYSSEY Extreme Series™ batteries, without the high cold cranking amps (CCA) or reserve capacity (RC) many people may not require.

**POWERFUL PERFORMANCE FOR COMMERCIAL TRUCKS**



**Commercial trucking & Tractor trailers**  
With today's no-idling laws, big rigs need a battery that can keep everything in the cab running when the engine isn't. ODYSSEY Performance Series batteries can power a range of on-board accessories and still deliver reliable starts.



[www.odysseybattery.com](http://www.odysseybattery.com)

Powered by **EnerSys**<sup>®</sup>  
Power/Full Solutions



# POWERFUL REASONS TO CHOOSE ODYSSEY® PERFORMANCE SERIES™ BATTERIES

**Longer warranty** –  
4-year full replacement warranty.

**Longer service life** –  
3-10 years of service life.

**Longer cycle life** –  
70% longer cycle life and up to 400 cycles at 80% depth of discharge.

**Longer shelf life** –  
Storable with nothing connected to the terminals for up to 2 years, or down to 12.00V, whichever comes first.

**Faster recharge** –  
100% recharge in 4-6 hours – the highest efficiency of any sealed lead battery.

**More flexible mounting** –  
Non-spillable design allows mounting on any side, in any position (except inverted).

**Vibration resistance** –  
Protection against the high impact shocks and vibration that often cause premature battery failure.

**Extreme temperature tolerance** –  
Operating temperatures from -40°F (-40°C) to 140°F (60°C).

**Maintenance free** –  
No need to add water, ever!

**Improved safety** –  
Classified “non-spillable” by US Department of Transportation – no acid spills.



## ODYSSEY® Performance Series™ Batteries

ODYSSEY® Performance Series™ batteries provide all the reliability of ODYSSEY Extreme Series™ batteries, without the high CCA (cold cranking amps) or RC (reserve capacity) many people may not require.



**Lead Posts**

**99.99% Pure Lead Plates**  
are extremely thin, so more of them fit inside for more power

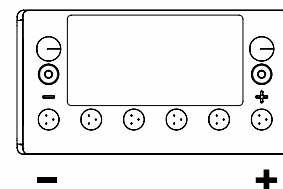
**Compressed AGM Plate Separators**  
help enable extreme vibration resistance

**Polypropylene Case and Cover**  
for durability and temperature tolerance

**Through-the-wall Intercell Connections**

Cutaway image is representative, not actual product

**31-800**



Drawing size is for terminal position reference only

Model	Voltage	PHCA** (5 sec)	CCA*	HCA	MCA	Nominal Capacity		Reserve Capacity Minutes	Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight lbs (kg)	Terminal	Torque Specs in-lbs (Nm max)	Internal Resistance (mΩ)	Short Circuit Current
						(20 Hr Rate-Ah)	(10 Hr Rate-Ah)									
31-800	12	1600	802	1380	1188	99	94	188	13.0 (330.2)	6.78 (172.2)	9.42 (239.8)	69.0 (31.3)	3/8-16 Stud or SAE Post	200 (22.6)	2.6	2600

\*Cold Start Performance S.A.E. J537 June 82

\*\* Pulse Current



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