THE BATTERY THAT GOES TO EXTREMES





EXTREME POWER.

Phenomenal starting power and massive deep cycle reserve power in one battery!

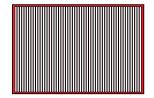
Some batteries provide enormous cranking power. Others, deep cycle reserve power. The revolutionary ODYSSEY™ battery is designed to do both.

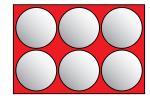
How is this possible? The answer begins with flat plates made of 99.99% pure virgin lead - not lead alloy. Pure lead plates can be made thinner, so we can fit more of them in the battery. More ODYSSEY battery plates mean more plate surface area. And that means more power - twice as much as conventional batteries.

In fact, ODYSSEY batteries are capable of providing engine cranking pulses in excess of 2250 amps for 5 seconds – double to triple that of equally sized conventional batteries, even at very low temperatures. And they can handle 400 charge-discharge cycles to 80% depth of discharge.

This extreme combination of power and performance makes ODYSSEY batteries perfect for a range of applications, including automotive/LTV, marine, commercial, and powersports - see the examples inside.

ODYSSEY™ batteries vs. spiral-wound designs: 15% more plate surface area!





Unused battery space

Like many popular spiral-wound batteries, ODYSSEY batteries employ dry cell AGM technology to contain acid, allowing the battery to be installed even on its side. But the densely packed flat plates in an ODYSSEY battery avoid the "dead space" between cylinders in a "six-pack" design. The result is 15% more plate surface area — and that translates to more power!



INDESTRUCTIBILITY.

Designed and built to last up to 3 times as long.

Thanks to rugged construction and AGM (Absorbed Glass Mat) design, ODYSSEY™ batteries have an 8-12 year design life and a 3-10 year service life. Welded intercell connections enable

it to withstand extreme vibration, and AGM design holds acid in place to prevent spills, even when installed on its side. And unlike conventional batteries, ODYSSEY batteries can be stored for up to 2 years and still be returned to full power.*

Pure Lead Plates

Constructed from 99.99% pure virgin lead, ODYSSEY battery plates are extremely thin, so more of them can fit into the battery. More lead plates equals more power.

Compressed AGM Plate Separators

Before being inserted into the case, the Absorbed Glass Mat plate separators are compressed by 28% for extreme vibration resistance.

Robust Intercell Connections

Built to stringent specifications, cell connectors are casted to the plates, and bonded to resist vibration and eliminate internal sparking.

Tin Alloy Coated Brass Terminals

Brass terminals coated with a high-quality tin alloy ensure secure, corrosion-free cable connections.





Optional height adapter may be used on the 34-PC1500 for installations where a group 24 or group 27 is required. Snap the adapter securely into place on the bottom of the 34-PC1500 battery. In some installations, a 34-PC1500 with this adapter may be used to replace a group 24F or 27F depending on required cable length.

* At 25°C (77°F). Storage times will be even longer at lower temperatures.

Ready out of the box

ODYSSEY batteries are shipped fully charged. If the ODYSSEY battery's voltage is 12.65V or greater, simply install the battery in your vehicle and you are ready to go! If below 12.65V, boost charge following the instructions in the ODYSSEY battery Owner's Manual and/or Technical Manual. Putting a boost on the battery will not damage it, even if its voltage reads higher than 12.65V.

ODYSSEYTM PO B

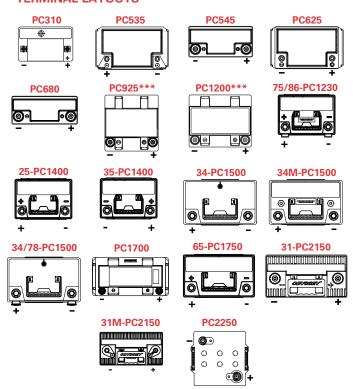
		MODEL	Voltage	PHCA** (5 sec)	CCA*	НСА	MCA	Nominal (20 Hr Rate-Ah)	(10 Hr	Reserve Capacity Minutes	Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight Ibs (kg)	Terminal	Torque Specs in-lbs (Nm max)	Internal Resistance (mΩ)	Short Circuit Current
01230			12	310	100	200	155	8	7	9	5.43 (138.0)	3.39 (86.0)	3.98 (101.0)	5.9 (2.7)	M4 Receptacle	8.9 (1.0)	27.1	455A
DOESE	6669		12	535	200	300	265	14	13	21	6.70 (170.2)	3.90 (99.1)	6.18 (157.0)	12.0 (5.4)	M6 Stud	40 (4.5)	8	1000A
DOEAE	260		12	545	185	300	240	13	12	18	7.00 (177.8)	3.38 (85.9)	5.17 (131.3)	12.6 (5.7)	M6 Receptacle	50 (5.6)	10	1200A
36300	2002		12	625	265	440	350	18	17	27	6.70 (170.2)	3.90 (99.1)	6.89 (175.0)	13.2 (6.0)	M6 Stud	40 (4.5)	7	1800A
00900	2000		12	680	220	370	300	16	16	24	7.27 (184.7)	3.11 (79.0)	6.67 (169.4)	15.4 (7.0)	M6 Receptacle [†] or SAE 3/8" Receptacle	50 (5.6)	7	1800A
1000	6360		12	925	380	625	500	28	27	52	6.64 (168.6)	7.05 (179.0)	5.04 (128.0)	26.0 (11.8)	M6 Receptacle† or SAE 3/8" Receptacle	60 (6.8)	5	2400A
00.4200	007101		12	1200	550	860	725	42	40	78	7.87 (199.9)	6.66 (169.1)	6.80 (172.7)	38.2 (17.4)	M6 Receptacle [†] or SAE 3/8" Receptacle	60 (6.8)	4.5	2600A
25 DC1400 75/86 DC1220	13/00/10/1530		12	1230	730	1050	815	55	50	100	9.46 (240.3)	6.99 (177.5)	7.92 (201.2)	45.5 (20.6)	TOP SAE SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
2E BC1400	2012		12	1400	820	1150	850	65	55	125	9.46 (240.3)	6.84 (173.7)	8.69 (220.7)	50.0 (22.7)	SAE	70 (7.9)	2.5	3100A
2E BC1400	2010		12	1400	820	1150	850	65	55	125	9.46 (240.3)	6.84 (173.7)	8.69 (220.7)	50.0 (22.7)	SAE	70 (7.9)	2.5	3100A
00 24 BC1500			12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.76 (171.7)	7.82 (198.6)	49.5 (22.4)	SAE	60 (6.8)	2.5	3100A
24M DC4500	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CONTRACT	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.76 (171.7)	7.82 (198.6)	49.5 (22.4)	SAE and 3/8" Stud (Pos.), 5/16" Stud (Neg.)	70 (7.9)	2.5	3100A
2479 PC4500 24M PC45	00000 1-07/40		12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.99 (177.5)	7.82 (198.6)	49.5 (22.4)	TOP SAE SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
0044700			12	1700	875	1325	1175	68	65	142	13.02 (330.7)	6.62 (168.2)	6.93 (176.0)	60.9 (27.6)	M6 Receptacle [†] or SAE 3/8" Receptacle	60 (6.8)	3.5	3500A
GE DC4.7E0			12	1750	930	1350	1070	74	65	135	11.83 (300.5)	7.20 (182.9)	7.43 (188.7)	58.0 (26.3)	SAE	70 (7.9)	2.0	5000A
21 DC21E0			12	2150	1150	1545	1370	100	92	205	13.00 (330.2)	6.80 (172.7)	9.41 (239.0)	77.8 (35.3)	3/8" Stud or SAE	150-220 (16.9-22.6)	2.2	5000A
24IM DP24E0	211/1-10/21/20		12	2150	1150	1545	1370	100	92	205	13.00 (330.2)	6.80 (172.7)	9.47 (240.5)	77.8 (35.3)	SAE and 3/8" Stud (Pos.), 5/16" Stud (Neg.)	150-220 (16.9-22.6)	2.2	5000A
DESSED	05520		12	2250	1225	1730	1550	126	114	240	11.26 (286.0)	10.59 (269.0)	9.17 (233.0)	86.0 (39.0)	Dual SAE/DIN Terminal and 3/8" Stud	100 (11.0) For 3/8" Stud Only	2.1	5000A

Cold Start Performance S.A.E. J537 JUNE 82 **Pulse Current † Can be fitted with brass automotive terminal All batteries available with metal jackets, except PC310, PC535, PC625, 75/86-PC1230, 25-PC1400, 35-PC1400, 34-PC1500, 34M-PC1500, 34/78-PC1500, 65-PC1750, 31M-PC2150 and PC2250
Operating temperature range: -40°C (-40°F) to 45°C (113°F) • -30°C (-22°F) to 40°C (104°F) for PC2250



FOR EVERY APPLICATION.

TERMINAL LAYOUTS



Drawing sizes are for terminal position reference only; diagrams are not proportionate to each other. ***Optional Reversed Polarity (L)

WARRANTY:

EnerSys Energy Products Inc. ("Manufacturer") warrants its ODYSSEY™ batteries (hereafter referred to as "Battery") to be free of defects in material and workmanship for the earlier of (a) the Applicable Warranty Period or (b) within 400 cycles to 80% depth of discharge, whichever occurs first. The Applicable Warranty Period is two (2) years for power sports applications; three (3) years in automotive, marine, commercial, and industrial applications; and four (4) years in the case of the 75/86-PC1230, 25-PC1400, 35-PC1400, 34-PC1500, 34M-PC1500, 34/78-PC1500, 65-PC1750, 31-PC2150, 31M-PC2150 and PC2250 batteries. The Applicable Warranty Period begins from the date of purchase with original receipt, or, if no receipt is available, from Manufacturer's shipping date. Within the Applicable Warranty Period, the Battery will be replaced free of charge if adjustment is necessary due to defect in material or workmanship (not merely discharged). Simply return the Battery to any authorized ODYSSEY battery dealer with the original receipt for a replacement. This warranty may vary from country to country; contact your authorized ODYSSEY battery wholesaler or dealer for the applicable warranty.

GENERAL PROVISIONS

A. Manufacturer has no obligation under the limited warranty set forth above in the event the Battery is damaged or destroyed as a result of one or more of the following:

- Willful abuse or neglect or if the top decorative cover has been removed
- Natural forces such as wind, lightning, hail; damage due to fire, collision, explosion, vandalism, theft, penetration or opening of the Battery case in any manner.
- Overcharging, undercharging, charging or installing in reverse polarity, improper maintenance, allowing the Battery to be deeply discharged via a parasitic load or mishandling of the Battery such as but not limited to using the terminals for lifting or carrying the Battery. Trickle chargers that do not have a regulated trickle charge voltage between 13.5V and 13.8V (no lower than 13.5V and no higher than 13.8V) will cause early failure of the Battery. Use of such chargers with the Battery will also void the Battery's warranty.

ODYSSEY™ BATTERY TECHNOLOGY COMPARISON

	ODYSSEY™ Batteries	CONVENTIONAL Batteries			
DESIGN LIFE	8-12 years (Float) @ 25° C (77° F)	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 @ 25°C (77°F)	6-12 weeks before needing charge			
SHIPPING	Air transportable; US Department of Transportation classified non-spillable (less expensive)	Ground transport; classified as hazardous material (more expensive)			
END OF LIFE	Battery slowly loses power at end of life; no catastrophic failure	Immediate and catastrophic loss of power (can leave you stranded)			

- Failure to properly install the Battery or lack of metal jacket for high temperature or vibration applications.
- Normal deterioration in the electrical qualities or the acceleration of such deterioration due to conditions that accelerate such deterioration.
- If the Battery is used for an application that requires higher cranking power or a greater reserve rating than the Battery is designed to deliver, or the Battery capacity is less than the Battery capacity specified by the vehicle manufacturer, or the Battery is otherwise used in applications for which it was not designed.

B. To obtain warranty service:

- Return the Battery to any authorized ODYSSEY battery wholesaler or dealer.
- If the Battery is determined to be defective for material or workmanship under terms of this limited warranty, it will be replaced.

THIS LIMITED WARRANTY IS IN LIEU OF, AND MANUFACTURER DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, STATUTORY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER'S EXCLUSIVE LIABILITY FOR BREACH OF WARRANTY SHALL BE TO REPLACE THE BATTERY WITHIN THE EFFECTIVE WARRANTY PERIOD. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR ANY LOSS OR DAMAGES OF ANY OTHER KIND, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, SPECIAL OR OTHERWISE. NOR SHALL MANUFACTURER BE LIABLE FOR ANY REMOVAL OR INSTALLATION EXPENSE, OR THE LOSS OF TIME OR PROFITS.

Some countries and/or states do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, which may vary from country to country and/or state to state.