

# THE BATTERY THAT GOES TO EXTREMES

Powered by **EnerSys**  
Power/Full Solutions



**ODYSSEY**<sup>®</sup>  
THE EXTREME BATTERY

# EXTREME POWER.

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

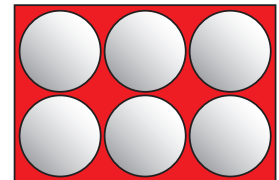
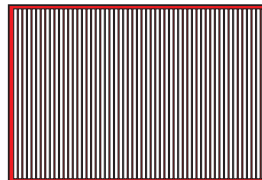
Some batteries provide enormous cranking power. Others, deep cycle reserve power. The revolutionary ODYSSEY® battery is designed to do both.

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!



**ODYSSEY**  
THE EXTREME BATTERY

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



# 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

## Tin Alloy Coated Brass Terminals

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

## Compressed AGM Plate Separators

Before being inserted into the case, the Absorbed Glass Mat plate separators are compressed 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.



## Available Metal Case

Selected ODYSSEY batteries are available with metal casing for high heat applications.



Optional height adapter may be used on 34-PC1500 models 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, the 34-PC1500 model with this adapter may be used to replace a group 24F or 27F depending on required cable length.

## 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.

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

† PC1220 and PC1350 excluded. See table for details.

# VERSATILITY AND FLEX



## Emergency Response

The ODYSSEY® battery protects, serves and saves with maintenance-free starting power plus massive deep cycle reserve power for on-board accessories.

- Police cruisers
- Fire trucks
- Ambulances



## 4X4 & Off-Road

The ODYSSEY battery's rugged construction and non-spillable, dry cell design ensure extreme shock and vibration resistance for the toughest off-road applications.

- SUVs
- Light trucks
- Off-road vehicles



## Heavy Duty/Commercial

The ODYSSEY battery gives truckers, farmers and construction vehicle operators what they need: the superior cranking power and deep cycle ability to get the job done.

- Tractor trailers
- Farm, lawn and garden equipment
- Earth-moving/construction equipment

## Classic & Antique Cars

Classic and restored cars are often kept in storage for months. The ODYSSEY battery's deep cycle reserve power ensures that they'll start reliably, even after two years of sitting idle.

- Muscle cars
- Classic trucks
- Antique vehicles





# XIBILITY.



## Marine

ODYSSEY® Trolling Thunder™/Marine Dual Purpose batteries have enough starting, reserve and deep cycle power for any vessel. Plus, an ODYSSEY battery holds a charge for long periods ensuring quick starts even after long storage periods.

- Pleasure cruisers
- Commercial vessels
- Trolling motors



## High Performance & Modified Vehicles

From starting high-compression engines to powering high-intensity discharge lights, the non-spillable ODYSSEY battery can handle any upgrade, and can be mounted in almost any position.

- Tuner cars
- Race cars
- Dragsters



## Sound and Video Packages

The deep cycle, non-spillable ODYSSEY battery offers the extreme power and extreme mounting flexibility that today's high-wattage, in-car sound and video systems demand.

- Audio systems
- Video systems
- Auxiliary amplifiers



## Motorcycles & Powersports

The ODYSSEY battery delivers the power and durability that powersport vehicles demand. Rugged construction and non-spillable, dry cell design provides extreme shock and vibration resistance.

- Motorcycles and ATVs
- Personal watercraft
- Snowmobiles
- Ultralight and Gyrocopter™ aircraft

# ODYSSEY® BATTERY POWER

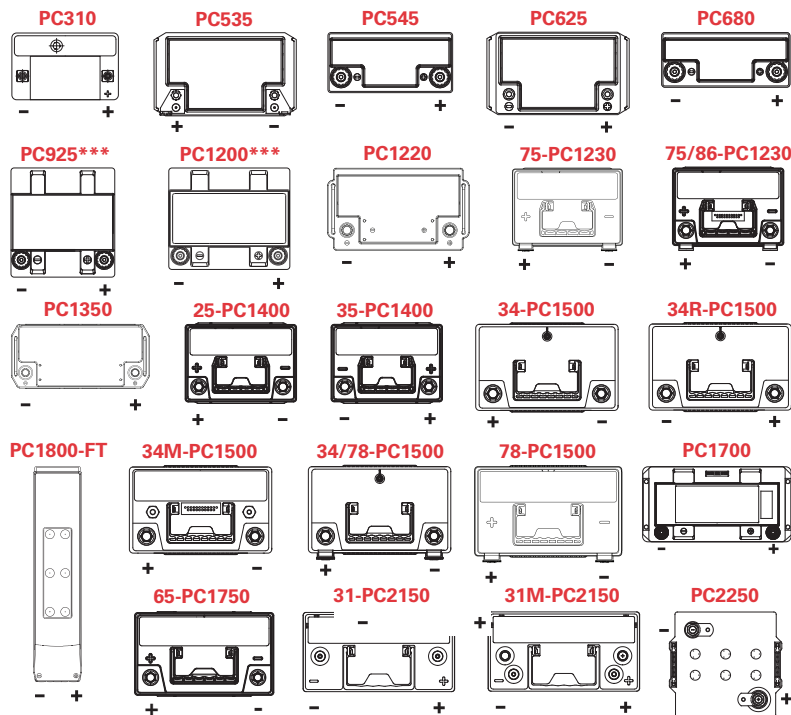
Model	Voltage	PHCA** (5 sec)	CCA*	HCA	MCA	Nominal Capacity		Reserve Capacity Minutes	Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight lbs (kg)	Terminal	Torque Specs in-lbs (Nm max)	Internal Resistance (mΩ)	Short Circuit Current
						(20 Hr Rate-Ah)	(10 Hr Rate-Ah)									
PC310	12	310	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
PC535	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
PC545	12	460	150	300	240	13	12	18	7.00 (177.8)	3.38 (85.9)	5.17 (131.3)	11.4 (5.2)	M6 Receptacle	50 (5.6)	10	1200A
PC625	12	530	200	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
PC680	12	520	170	370	300	16	16	24	7.15 (181.5)	3.00 (76.3)	6.65 (167.8)	15.4 (7.0)	M6 Receptacle† or SAE 3/8" Receptacle	50 (5.6)	7	1800A
PC925	12	900	330	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
PC1200	12	1200	540	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
PC1220	12	1220	680	960	860	70	64.8	135	11.89 (302.0)	6.88 (175.0)	7.48 (190.0)	45.6 (20.7)	DIN Lead Post	N/A	5.7	2200A
75-PC1230	12	1230	760	1050	815	55	50	100	9.46 (240.3)	6.99 (177.5)	7.22 (183.4)	45.5 (20.6)	SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
75/86-PC1230	12	1230	760	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
PC1350	12	1350	770	1080	960	95	88.5	195	14.84 (377.0)	6.88 (175.0)	7.48 (190.0)	60.4 (27.4)	DIN Lead Post	N/A	4.2	2900A
25-PC1400	12	1400	900	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
35-PC1400	12	1400	900	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
34-PC1500	12	1500	850	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
34R-PC1500	12	1500	850	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
34M-PC1500	12	1500	850	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
34/78-PC1500	12	1500	850	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
78-PC1500	12	1500	850	1250	1050	68	62	135	10.85 (275.6)	6.99 (177.5)	7.12 (180.8)	49.5 (22.4)	SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
PC1700	12	1550	810	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
65-PC1750	12	1750	950	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
PC1800-FT	12	1800	1300	1600	1450	214	190	475	22.75 (577.9)	4.9 (125.0)	12.44 (316.0)	132.3 (60.0)	3/8" Stud	80 (9.0)	3.3	3800A
31-PC2150	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
31M-PC2150	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
PC2250	12	2250	1225	1730	1550	126	114	240	11.26 (286.0)	10.59 (269.0)	9.17 (233.0)	86.0 (39.0)	SAE 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  
Optional metal jackets available on PC545, PC680, PC925, PC1200, PC1700 and 31-PC2150  
Operating Temperature Range = PC310 and PC1800-FT: -40°C (-40°F) to 50°C (122°F), PC535 and PC625: -40°C (-40°F) to 45°C (113°F),  
PC545, PC680, PC925, PC1200 and PC1700 without metal jacket: -40°C (-40°F) to 45°C (113°F),  
PC545, PC680, PC925, PC1200 and PC1700 with metal jacket: -40°C (-40°F) to 80°C (176°F),  
PC1220, PC1350 and PC2250: -40°C (-40°F) to 40°C (104°F), All other models: -40°C (-40°F) to 80°C (176°F)

# FOR EVERY APPLICATION.

## ODYSSEY® BATTERY TECHNOLOGY COMPARISON

### 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 following Applicable Warranty Periods:

- 2 years for Auxiliary Power (APU) and other non engine start cycling applications.
- 2 years for power sports applications.
- 3 years for commercial, industrial, marine and automotive applications in non BCI sizes.
- 4 years for an engine starting application for PC1220, PC1350, PC2250 and all BCI sizes.

The warranty does not cover a Battery reaching its normal end of life which may occur prior to the warranty periods stated above. Depending on the application a Battery can reach its normal end of life before the end of the warranty period.

A Battery can deliver only a fixed number of usable amp-hours over its lifetime and is considered to have reached its normal end of life if the application uses up all of these amp-hours, regardless of the time the Battery has been in service. Therefore Manufacturer reserves the right to deny a warranty claim if it determines the Battery to be at its normal end of life, even if the claim is lodged within the applicable warranty period.

The Applicable Warranty Period begins from the date of purchase with original receipt, or, if no receipt is available, from Manufacturer's shipping date as stated on the battery. Batteries determined to meet the conditions of this warranty will be replaced free of charge if, at the sole discretion of Manufacturer, adjustment is necessary due to defect in material or workmanship. Batteries for warranty replacement consideration are to be returned to the original supplying distributor/dealer. If not feasible, other ODYSSEY® distributors/dealers can be approached but a warranty processing fee may be applied. This warranty may vary from country to country; contact your authorized ODYSSEY® Battery wholesaler or dealer for the applicable warranty.

Batteries replaced under the warranty provisions will be shipped with a yellow replacement warranty sticker and carry only the remainder of the original Applicable Warranty Period.

### GENERAL PROVISIONS:

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

- Willful abuse, misuse, physical damage, 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. For applications where an alternator is present, the alternator must deliver between 14.0V and 14.7V when measured at the Battery's terminals. Alternators that do not have a regulated charge between 14.0V and 14.7V (no lower than 14.0V and no higher than 14.7V) will cause early failure of the Battery. Use of such alternators with the Battery will also void the Battery's warranty.
- Failure to properly install the Battery or lack of metal jacket for high temperature or vibration applications.

- Repair or attempted repair of the Battery by anyone other than an authorized Manufacturer's representative shall void this warranty.
  - Normal or accelerated deterioration in the electrical qualities due to operating or application conditions.
  - 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.
  - Prolonged storage of vehicles with fuel injection computers, alarms, GPS and other electrical devices that require continuous battery power to support active memories; this power drain must be offset with a maintenance-float charger, periodic charging or disconnecting the Battery to prevent irreversible damage. A Battery with an open circuit voltage (OCV) of equal to or less than 8.0V will be deemed as over discharged and void warranty due to misuse and/or neglect.
- WARNING - DO NOT USE ANY TYPE OF OIL, ORGANIC SOLVENT, ALCOHOL, DETERGENT, STRONG ACIDS, STRONG ALKALIS, PETROLEUM-BASED SOLVENT OR AMMONIA SOLUTION TO CLEAN THE BATTERY COVERS AND BATTERY TOPS. THESE MATERIALS MAY CAUSE PERMANENT DAMAGE TO THE BATTERY COVERS BATTERY TOPS AND WILL VOID THE WARRANTY.
- B. To obtain warranty service:
1. Return the Battery to the original supplying wholesaler or dealer.
  2. If the Battery is determined by Manufacturer, in its sole discretion, to be defective for material or workmanship under terms of this limited warranty, it will be replaced.
  3. Manufacturer's acceptance of any items shipped to Manufacturer shall not be deemed an admission that the items so shipped are defective. Any items shipped back to Manufacturer, shall in Manufacturer's sole discretion, become Manufacturer's property.

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. This warranty shall be governed by and interpreted in accordance with the laws of the Commonwealth of Pennsylvania without regard to Pennsylvania conflicts of laws rules. The United Nations Convention on Contracts for the International Sale of Goods signed in Vienna in 1980 shall not apply to this warranty. This warranty is understood to be the exclusive agreement between the parties relating to the subject matter hereof. No employee or representative of Manufacturer is authorized to make any warranty in addition to those made in this agreement.

### **About EnerSys®**

EnerSys® is a global leader in stored energy solutions for automotive, military, and industrial applications. With manufacturing facilities in 17 countries, sales and service locations throughout the world, and over 100 years of battery experience, EnerSys is a powerful partner for automotive service and parts providers.

### **EnerSys**

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





# ODYSSEY<sup>®</sup>

THE EXTREME BATTERY

## Powersports

A guide to the industry's best starting and deep cycle battery



**Twice the overall power  
and three times the  
life of conventional  
batteries. Up to 400  
cycles at 80% depth  
of discharge!**



**EnerSys**  
Power/Full Solutions

# Designed to change what you can expect from a powersports battery

Of course powersport vehicles need a powerful battery. But they also need one built to take the constant pounding that comes with the territory, whether that territory is on land, sea, or snow. The ODYSSEY® battery can handle it.

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 more power—twice the overall power and three times the life of conventional batteries—up to 400 cycles at 80% depth of discharge!

The ODYSSEY battery is the ideal choice for a complete range of powersports applications:

- Motorcycles
- ATVs
- Personal watercraft
- Snowmobiles
- Ultralight aircraft
- Gyrocopter™ aircraft

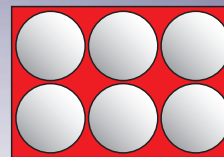
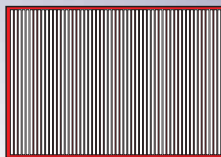


## Construction

- Pure virgin lead plates for maximum surface area, optimized recycling
- AGM (absorbed glass mat) design eliminates acid spills
- High conductivity, corrosion-resistant tin-plated brass terminals
- High integrity terminal seal
- Sealed design—gases recycled internally during operation or charging
- Safety relief valve per cell
- Robust intercell connections prevent vibration damage

## ODYSSEY® batteries beat spiral-wound

Compared to spiral-wound batteries of equal size, ODYSSEY batteries pack 15% more plate surface area into the case. Avoiding the “dead space” between cylinders in “six-pack” designs means ODYSSEY batteries deliver more power and 40% more reserve capacity.



■ Unused battery space

## 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)



### Better warranty

Limited 2-year full replacement warranty — not pro rata.

### Longer service life

With 3-10 years of service life, ODYSSEY® batteries save consumers time, money, and aggravation.

### Longer cycle life

70% longer cycle life compared to conventional deep cycle batteries — up to 400 cycles at 80% depth of discharge — high stable voltage for longer periods of time.

### Longer shelf life

Can be stored on open circuit (nothing connected to the terminals) without the need for recharging 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.

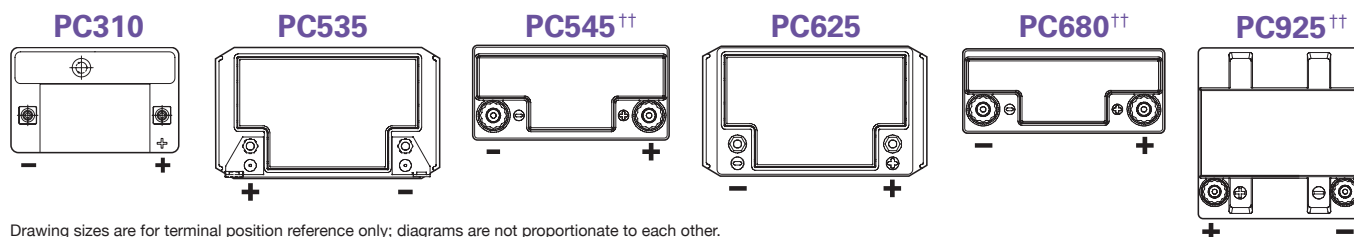
### Totally maintenance free

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.

## Terminal layouts



Drawing sizes are for terminal position reference only; diagrams are not proportionate to each other.  
†† Optional Metal Jacket (MJ)

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
PC310	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
PC535	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
PC545	12	460	150	300	240	13	12	18	7.00 (177.8)	3.38 (85.9)	5.17 (131.3)	11.4 (5.2)	M6 Receptacle	50 (5.6)	10	1200A
PC625	12	530	200	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
PC680	12	520	170	370	300	16	16	24	7.15 (181.5)	3.00 (76.3)	6.65 (167.8)	15.4 (7.0)	M6 Receptacle† or SAE 3/8" Receptacle	50 (5.6)	7	1800A
PC925	12	900	330	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

\*Cold Start Performance S.A.E J537 JUNE 82    \*\*Pulse Current  
† Can be fitted with brass automotive terminal.  
Operating temperature range:  
-40°C (-40°F) to 45°C (113°F) without metal jacket  
-40°C (-40°F) to -80°C (176°F) with metal jacket  
PC310: -30°C (-22°F) to 40°C (104°F)

#### Constant voltage portable charger parameters:

Standby, per 12V battery	13.5-13.8V no current limit required
Cyclic, per 12V battery (16-hour recharge)	14.4-14.8V no current limit required
Typical deep-cycle life at 25°C/77°F at a 5-hour rate	400 cycles at 80% DOD
Typical service life at 25°C/77°F	Medium to heavy duty usage – 3+ years Light duty usage – 6+ years



## About EnerSys®

EnerSys® is a global leader in stored energy solutions for automotive, military, and industrial applications. With manufacturing facilities in 17 countries, sales and service locations throughout the world, and over 100 years of battery experience, EnerSys is a powerful partner for automotive service and parts providers.



### EnerSys

P.O. Box 14145  
Reading, PA 19612-4145, USA  
Tel: +1-610-208-1991  
+1-800-538-3627  
Fax: +1-610-372-8613

### Regional Sales

#### EnerSys Energy Products Inc.

617 North Ridgeview Drive  
Warrensburg, MO 64093-9301, USA  
Tel: +1-660-429-2165  
Fax: +1-660-429-1758

#### EnerSys Australia Pty Ltd.

54-58 Derby Street  
Silverwater, NSW 2128  
Australia  
Tel: + 61 (0) 2 9739 9999  
Fax: + 61 (0) 2 9739 9900

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

#### 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 following Applicable Warranty Periods:

- 2 years for Auxiliary Power (APU) and other non engine start cycling applications.
- 2 years for power sports applications.
- 3 years for commercial, industrial, marine and automotive applications in non BCI sizes.
- 4 years for an engine starting application for PC1220, PC1350, PC2250 and all BCI sizes.

The warranty does not cover a Battery reaching its normal end of life which may occur prior to the warranty periods stated above. Depending on the application a Battery can reach its normal end of life before the end of the warranty period.

A Battery can deliver only a fixed number of usable amp-hours over its lifetime and is considered to have reached its normal end of life if the application uses up all of these amp-hours, regardless of the time the Battery has been in service. Therefore Manufacturer reserves the right to deny a warranty claim if it determines the Battery to be at its normal end of life, even if the claim is lodged within the applicable warranty period.

The Applicable Warranty Period begins from the date of purchase with original receipt, or, if no receipt is available, from Manufacturer's shipping date as stated on the battery. Batteries determined to meet the conditions of this warranty will be replaced free of charge if, at the sole discretion of Manufacturer, adjustment is necessary due to defect in material or workmanship. Batteries for warranty replacement consideration are to be returned to the original supplying distributor/dealer. If not feasible, other ODYSSEY® distributors/dealers can be approached but a warranty processing fee may be applied. This warranty may vary from country to country; contact your authorized ODYSSEY® Battery wholesaler or dealer for the applicable warranty.

Batteries replaced under the warranty provisions will be shipped with a yellow replacement warranty sticker and carry only the remainder of the original Applicable Warranty Period.

#### GENERAL PROVISIONS:

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

- Willful abuse, misuse, physical damage, 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. For applications where an alternator is present, the alternator must deliver between 14.0V and 14.7V when measured at the Battery's terminals. Alternators that do not have a regulated charge between 14.0V and 14.7V (no lower than 14.0V and no higher than 14.7V) will cause early failure of the Battery. Use of such alternators with the Battery will also void the Battery's warranty.
- Failure to properly install the Battery or lack of metal jacket for high temperature or vibration applications.
- Repair or attempted repair of the Battery by anyone other than an authorized Manufacturer's representative shall void this warranty.
- Normal or accelerated deterioration in the electrical qualities due to operating or application conditions.
- 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.
- Prolonged storage of vehicles with fuel injection computers, alarms, GPS and other electrical devices that require continuous battery power to support active memories; this power drain must be offset with a maintenance-float charger, periodic charging or disconnecting the Battery to prevent irreversible damage. A Battery with an open circuit voltage (OCV) of equal to or less than 8.0V will be deemed as over discharged and void warranty due to misuse and/or neglect.

WARNING - DO NOT USE ANY TYPE OF OIL, ORGANIC SOLVENT, ALCOHOL, DETERGENT, STRONG ACIDS, STRONG ALKALIS, PETROLEUM-BASED SOLVENT OR AMMONIA SOLUTION TO CLEAN THE BATTERY COVERS AND BATTERY TOPS. THESE MATERIALS MAY CAUSE PERMANENT DAMAGE TO THE BATTERY COVERS BATTERY TOPS AND WILL VOID THE WARRANTY.

B. To obtain warranty service:

1. Return the Battery to the original supplying wholesaler or dealer.
2. If the Battery is determined by Manufacturer, in its sole discretion, to be defective for material or workmanship under terms of this limited warranty, it will be replaced.
3. Manufacturer's acceptance of any items shipped to Manufacturer shall not be deemed an admission that the items so shipped are defective. Any items shipped back to Manufacturer, shall in Manufacturer's sole discretion, become Manufacturer's property.

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. This warranty shall be governed by and interpreted in accordance with the laws of the Commonwealth of Pennsylvania without regard to Pennsylvania conflicts of laws rules. The United Nations Convention on Contracts for the International Sale of Goods signed in Vienna in 1980 shall not apply to this warranty. This warranty is understood to be the exclusive agreement between the parties relating to the subject matter hereof. No employee or representative of Manufacturer is authorized to make any warranty in addition to those made in this agreement.

# **ODYSSEY<sup>®</sup>**

**THE EXTREME BATTERY**



# **Extreme Racing<sup>™</sup>**

Engineered to take you to the red line – and the finish line



# ***Built to withstand the extremes of high performance pursuits!***

Constant pounding. Extreme heat. High-revving, high-vibration, power-sapping engines. The demands of racing demand a battery that's up to the job. But one that's lightweight and compact so you don't give any advantage to the competition. The ODYSSEY® Extreme Racing™ battery can handle it.

Featuring rugged construction and packed tightly with pure lead plates, the non-spillable AGM design of the ODYSSEY Extreme Racing battery protects against the shock and vibration that can quickly destroy other batteries. And the pure lead plates mean more power—twice the overall power and three times the life of conventional batteries.

The ODYSSEY Extreme Racing battery is ideal for a complete range of racing applications:

- **Automobile**
- **Motorcycles**
- **ATVs**
- **Snowmobiles**
- **Racing Boats**

## **Construction**

- Pure virgin lead plates for maximum surface area, optimized recycling
- AGM (absorbed glass mat) design eliminates acid spills
- High conductivity, corrosion-resistant tin-plated brass terminals
- High integrity terminal seal
- Sealed design—gases recycled internally during operation or charging
- Safety relief valve per cell
- Robust intercell connections prevent vibration damage





### Better warranty

Limited 3-year full replacement warranty — not pro rata.

### Longer service life

With 3-10 years of service life, ODYSSEY® Extreme Racing™ batteries save consumers time, money and aggravation.

### Longer cycle life

70% longer cycle life compared to 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 the need for recharging 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.

# Extreme Racing™

	MODEL	Voltage	PHCA** (5 sec)	CCA*	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)									
Extreme 8		12	310	100	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
Extreme 15		12	370	156	15	14	25	7.9 (200.0)	3.0 (77.0)	5.5 (140.0)	12.5 (5.7)	M6 Stud	35 (3.9)	13.5	891A
Extreme 18		12	535	200	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
Extreme 20		12	460	150	13	12	18	7.00 (177.8)	3.38 (85.9)	5.17 (131.3)	11.4 (5.2)	M6 Receptacle† or SAE 3/8" Receptacle	50 (5.6)	10	1200A
Extreme 22		12	530	200	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
Extreme 25		12	520	170	16	16	24	7.15 (181.5)	3.0 (76.3)	6.65 (167.8)	15.4 (7.0)	M6 Receptacle† or SAE 3/8" Receptacle	50 (5.6)	7	1800A
Extreme 30		12	950	450	34	32	60	9.8 (250.0)	3.8 (97.0)	6.1 (156.0)	20.0 (9.0)	M6 Stud	35 (3.9)	7.1	1700A
Extreme 35		12	900	330	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
Extreme 40		12	1100	500	45	43	87	9.8 (250.0)	3.8 (97.0)	8.1 (206.0)	27.5 (12.5)	M6 Stud	35 (3.9)	5.1	2450A

\*Cold Start Performance S.A.E J537 JUNE 82 \*\*Pulse Current

† Can be fitted with brass automotive terminal.

Operating temperature range:

-40°C (-40°F) to 45°C (113°F) without metal jacket

-40°C (-40°F) to -80°C (176°F) with metal jacket

#### Constant voltage portable charger parameters:

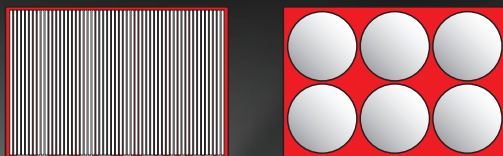
Standby, per 12V battery	13.5-13.8V no current limit required
Cyclic, per 12V battery (16-hour recharge)	14.4-14.8V no current limit required
Typical service life at 25°C/77°F	Medium to heavy duty usage – 3+ years Light duty usage – 6+ years


## Head-to-head technology comparison

	ODYSSEY® EXTREME RACING™ 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; classified as non-spillable in accordance with U.S. Department of Transportation (less expensive)	Ground transport; classified as hazardous material (more expensive)

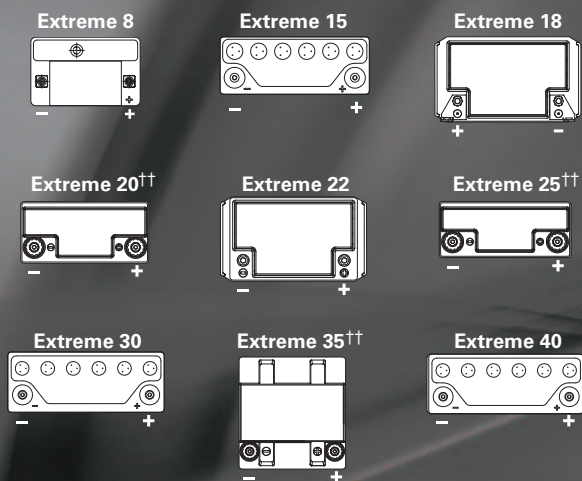
## ODYSSEY® Extreme Racing™ batteries beat spiral-wound

Compared to spiral-wound batteries of equal size, ODYSSEY® Extreme Racing™ batteries pack 15% more plate surface area into the case. Avoiding the "dead space" between cylinders in "six-pack" designs means ODYSSEY Extreme Racing batteries deliver more power and 40% more



 Unused battery space

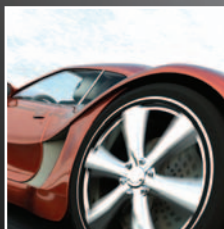
## Terminal layouts



Drawing sizes are for terminal position reference only; diagrams are not proportionate to each other.

†† Supplied with metal jacket

*Extreme power,  
reliability and versatility  
for the serious racing enthusiast*





## About EnerSys®

EnerSys® is a global leader in stored energy solutions for automotive, military, and industrial applications. With manufacturing facilities in 17 countries, sales and service locations throughout the world, and over 100 years of battery experience, EnerSys is a powerful partner for automotive service and parts providers.



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54-58 Derby Street  
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Australia  
Tel: + 61 (0) 2 9739 9999  
Fax: + 61 (0) 2 9739 9900

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

#### **WARRANTY:**

EnerSys Energy Products Inc. ("Manufacturer") warrants its ODYSSEY® Extreme Racing™ 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 three (3) years. 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, at the discretion of Manufacturer, adjustment is necessary due to defect in material or workmanship (not merely discharged). Batteries for warranty replacement consideration are to be returned to the original supplying distributor/dealer. If not truly feasible, other ODYSSEY distributors/dealers can be approached but a warranty processing fee may be applied. 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. For applications where an alternator is present, the alternator must deliver between 14.0V and 14.7V when measured at the battery's terminals. Alternators that do not have a regulated charge between 14.0V and 14.7V (no lower than 14.0V and no higher than 14.7V) will cause early failure of the Battery. Use of such alternators with the Battery will also void the Battery's warranty.
- 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.
- Prolonged storage of vehicles with fuel injection computers, alarms, GPS and other electrical devices that require continuous battery power to support active memories; this power drain must be offset with a maintenance-float charger, periodic charging or disconnecting the battery to prevent the establishment of irreversible crystallized sulphation in the battery plate oxide. Failure to address this destroys battery capacity and voids the warranty, as this is not a warranted defect in materials or workmanship. A battery with an open circuit voltage (OCV) of equal to or less than 8.0V will be deemed as overdischarged and void from warranty due to misuse and/or neglect.
- WARNING - Do NOT use any type of oil, organic solvent, alcohol, detergent, strong acids, strong alkalis, petroleum-based solvent or ammonia solution to clean the jars or covers. These materials may cause permanent damage to the battery jar and cover and will void the warranty.

B. To obtain warranty service:

1. Return the Battery to any authorized ODYSSEY battery wholesaler or dealer.
2. If the battery is determined by Manufacturer, in its sole discretion, to be defective for material or workmanship under terms of this limited warranty, it will be replaced.
3. Manufacturer's acceptance of any items shipped to Manufacturer shall not be deemed an admission that the items so shipped are defective. Any items shipped back to Manufacturer, shall in Manufacturer's sole discretion, become Manufacturer's sole property.

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.

# ODYSSEY<sup>®</sup>

**THE EXTREME BATTERY**

**Powersports**

**Application Guide**



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

## Motorcycles

CC	MODEL	YEAR	REPLACEMENT BATTERY
<b>ATK™</b>			
	All Electric Start Models	91-95	PC310 <sup>*1</sup>
<b>BMW®</b>			
1200	K1200RS, LT	97-	PC680
1200	R1200C	98-	PC680
1150	R1150GS, R	00-	PC680
1100	R1100GS	94-00	PC680
1100	R1100R	94-00	PC680
1100	R1100RS, RT	93-	PC680
1100	R1100S	99-	PC680
1100	K1100LT/RS	90-95	PC680
1000	All "K" Models	83-93	PC925L
1000	R100/7	76-84	PC925L
1000	100RS	83	PC680
1000	R100GS,PD,R,RS,RT	87-95	PC925L
1000	R100CS	76-84	PC925L
900	R90/6, R90S	69-76	PC925L
850	R850R	95-97	PC680
800	R80GS,R80ST	80-96	PC680
800	R80, R80RT	84-95	PC925L
800	R80/7, R80RT	78-84	PC925L
750	K75, RT	85-95	PC925L
750	K75C, S	85-95	PC680
750	R75/5	70-73	PC680
750	R75/7	76-84	PC925L
750	R75/6	69-76	PC925L
650	R65	84-95	PC925L
650	R65LS	78-84	PC680
600	R60/5	70-73	PC680
600	R60/6, R60/7	69-84	PC925L
500	R50/5	70-73	PC680
<b>BUELL®</b>			
1200	S1 Lightning	96-99	PC545MJ <sup>*2</sup>
1200	X1, S3, S3T, M2	ALL	PC545MJ
1200	S2, S2T, RR1200, RS1200, RSS1200	ALL	PC545MJ
1000	RR1000	87	PC545MJ
<b>CCM™</b>			
600	All Electric Start Models	96-01	PC310 <sup>*1</sup>
<b>DUCATI®</b>			
1098	1098	07	PC545MJ <sup>*2</sup>
907	I.E. Paso	90-94	PC535
906	Paso	90-92	PC535
860	GT, GTS	ALL	PC925L
750	GT, Lugana Seca	ALL	PC925L
500	GTL, GTV, Sport	ALL	PC680
<b>HARLEY DAVIDSON®</b>			
1570	FXD (Dyna)	07-08	PC545 <sup>*2 *3</sup>
1570	FXST, FLST (Softail)	07-08	PC545MJ <sup>*3</sup>
1570	FL, FLH (Touring)	07-08	PC925LMJ
1450	FXD	99-06	PC545 <sup>*2 *3</sup>
1450	FXST, FLST	00-06	PC545MJ
1450	FL, FLH	99-06	PC925LMJ
1340	FXD Series	97-99	PC545 <sup>*2 *3</sup>
1340	FXST Series	91-96	PC545MJ <sup>*3</sup>
1340	FXR	99-00	PC535
1340	FX/FXR	79-94	PC535

\*1 Battery installation requires rerouting of battery cables

\*2 Requires shim pad in lower battery tray

\*3 PC545 is 15/16 inch lower in height than OEM battery

www.odysseybattery.com

CC	MODEL	YEAR	REPLACEMENT BATTERY
<b>HARLEY DAVIDSON® continued</b>			
1340	FLST Series	91-99	PC545MJ <sup>*3</sup>
1340	FL, FLH	97-98	PC925LMJ
1340	FL, FLH, FLT, FLHT	80-96	PC680MJ
1200	XL, XLH (Sportster)	97-03	PC545 <sup>*2</sup>
1200	XL, XLH (Sportster)	87-96	PC535
1200	FX Series (Electric Start)	71-78	PC535
1100	XL Series (Sportster)	87-93	PC535
1000	XL Series (Sportster)	79-85	PC535
1000	XLX-61, XR1000	83-85	PC535
883	XL, XLH (Sportster)	97-03	PC545 <sup>*2</sup>
883	XLH (Sportster)	86-96	PC535
<b>HONDA®</b>			
1800	GL 1800, Gold Wing	01-08	PC545 <sup>*3</sup>
1800	VTX1800C, VTX1800R Retro	02-07	PC545 <sup>*3</sup>
1500	GL1500 Gold Wing	88-00	PC680MJ <sup>*1</sup>
1200	GL1200 Gold Wing	84-87	PC680MJ <sup>*1</sup>
1100	GL1100 Gold Wing	80-83	PC680MJ <sup>*1</sup>
1000	CBX1000, SS opt.	82	PC680MJ <sup>*1</sup>
1000	GL1000 Gold Wing	75-79	PC680MJ <sup>*1</sup>
900	CBR900R, RR	93-99	PC310 <sup>*1</sup>
750	CB750A Hondamatic	76-78	PC680MJ <sup>*1</sup>
750	RVF750R (RC45)	94	PC310 <sup>*1</sup>
750	VFR750R (RC30)	90	PC310 <sup>*1</sup>
650	NT650 Hawk GT	88-91	PC310 <sup>*1</sup>
650	NT650V	ALL	PC310 <sup>*1</sup>
650	NX650	88-89	PC310 <sup>*1</sup>
650	SLR650	ALL	PC310 <sup>*1</sup>
650	Vigor 650	ALL	PC310 <sup>*1</sup>
650	XR650L	93-07	PC310 <sup>*1</sup>
600	VT600C, CD Shadow Deluxe, VLX	88-03	PC310 <sup>*1</sup>
600	CBR600	87-00	PC310 <sup>*1</sup>
400	CB400F CB-1	89-90	PC310 <sup>*1</sup>
200	TR200 Fat Cat	86	PC310 <sup>*1</sup>
150	CH150 Elite	87	PC310 <sup>*1</sup>
150	FES150	ALL	PC310 <sup>*1</sup>
125	FES125	ALL	PC310 <sup>*1</sup>
125	Pantheon 125	ALL	PC310 <sup>*1</sup>
<b>HUSABERG®</b>			
	All Electric Start Models	97-00	PC310 <sup>*1</sup>
<b>KAWASAKI®</b>			
1500	VN 1500-A Vulcan 88, SE	87-98	PC680MJ
1500	VN 1500-C Vulcan, 1500L	96-97	PC680MJ
1300	KZ 1300 Touring	79-82	PC680MJ
1000	KZ 1000-P Police	82-03 & 05	PC545MJ
1000	Z1000	03-08	PC310 <sup>*1</sup>
900	ZX900-C, Ninja (ZX-9R)	98-99	PC310 <sup>*1</sup>
900	ZX900-E,F Ninja (ZX-9R)	00-03	PC310 <sup>*1</sup>
750	KZ750-L Ninja	93	PC310 <sup>*1</sup>
750	ZX750 Ninja ZX, 7RR	91-97	PC310 <sup>*1</sup>
650	KLX650C, R	93-96	PC310 <sup>*1</sup>
636	ZX636-B Ninja ZX-6R	03-06	PC310 <sup>*1</sup>
600	ZX600-G, J Ninja ZX-6R	98-08	PC310 <sup>*1</sup>
600	ZX600-K Ninja ZX-6RR	03-06	PC310 <sup>*1</sup>
<b>KTM®</b>			
640	Adventurer, Duke, RXC LC4 Super Moto	99-02	PC310 <sup>*1</sup>
620	Adventure, Duke, LC4	96-98	PC310 <sup>*1</sup>
400	LC4 E/XC	96-98	PC310 <sup>*1</sup>
400	RXC LC4	96-01	PC310 <sup>*1</sup>

Publication No: US-ODY-AG-003 - August 2009



## Motorcycles continued

CC	MODEL	YEAR	REPLACEMENT BATTERY
<b>MOTO GUZZI™</b>			
1100	1100 Calif, Special, Jackel, Stone, EV	94-05	PC925L
1100	Quota 1100 ES	99-02	PC545
1100	Sport 1100I	97-99	PC545
1100	VII EV	98-99	PC925L
1100	VII Bassa	99-00	PC925L
1000	California III	89-93	PC925L
1000	Convert, Daytona, LeMans, Millie 1000NT, Quota	ALL	PC925L
850	LeMans	ALL	PC925L
850	T3, T4, T5	ALL	PC925L
750	Nevada, NTX, Strada	ALL	PC680
750	V7	ALL	PC925L
750	V75	ALL	PC680
650	NTX	ALL	PC680
650	V65	ALL	PC925L
650	V65 Florida	ALL	PC680
500	V50	ALL	PC925L
<b>MV AUGUSTA™</b>			
750	F4, Brutale	00-08	PC310 <sup>*1</sup>
<b>POLARIS VICTORY™</b>			
1507	All Models	98-06	PC545
<b>SUZUKI®</b>			
1400	GV 1400GC, D, T Cavalcade	86-88	PC680MJ
900	RF900, R, S, ZS	94-97	PC310 <sup>*1</sup>
750	GSX750F Katana	98-06	PC310 <sup>*1</sup>
750	GSX-R750	96-99	PC310 <sup>*1</sup>
750	GSXR750W	94-95	PC310 <sup>*1</sup>
650	DR650SE	98-08	PC310 <sup>*1</sup>
650	DR650SE (CN)	96-97	PC310 <sup>*1</sup>
600	GSF600S Bandit	96-03	PC310 <sup>*1</sup>
600	GSX600F Katana	98-06	PC310 <sup>*1</sup>
600	GSX-R600	97-07	PC310 <sup>*1</sup>
600	RF600R, S	94-96	PC310 <sup>*1</sup>
400	GSF400 Bandit	91-93	PC310 <sup>*1</sup>
<b>TRIUMPH™</b>			
600	Daytona 600/650, Speed Four	03-05	PC310 <sup>*1</sup>
<b>YAMAHA™</b>			
1600	XV 1600 Road Star	99-03	PC545 <sup>*3</sup>
1300	1300 Royal Star	96-07	PC545 <sup>*3</sup>
1300	XVZ13 Venture/Royale	86-93	PC680MJ
1200	XVZ12T Venture/Royal	83-85	PC680MJ
1100	XJ1100 Maxim	82	PC680MJ
1100	XS 1100 (All)	78-81	PC680MJ
1100	XV 1100, S	86-99	PC680MJ
1100	XV 1100 Virago (All)	86-99	PC680MJ
1000	XV 1000 Virago	84-85	PC680MJ
920	XV 920 Virago	82	PC680MJ
920	XV 920M Midnight Virago	83	PC680MJ
920	XV 920R Virago	81-83	PC680MJ
600	XJ600S Seca II	92-98	PC310 <sup>*1</sup>
600	XT600E	90-95	PC310 <sup>*1</sup>

\*1 Battery installation requires rerouting of battery cables

\*2 Requires shim pad in lower battery tray

\*3 PC545 is 15/16 inch lower in height than OEM battery

## Utility Vehicles

CC	MODEL	YEAR	REPLACEMENT BATTERY
<b>KAWASAKI®</b>			
620	KAF620, Mule 3010 4X4 Advantage Classic	03-07	PC625
620	KAF620, Mule 3000, 3010, 3020, 2500, 2510, 2520	ALL	PC625
540	KAF540, Mule 2010, 2020, 2030	ALL	PC625
450	KAF450, Mule 1000	ALL	PC625
<b>POLARIS™</b>			
500	Ranger 6x6, 4x4	98-08	PC925L
425	Ranger 2x4	02-03	PC925L
<b>ATV</b>			
<b>BOMBARDIER™</b>			
650	DS650	00-03	PC545
650	Quest	02-03	PC625
650	Quest (Opt)	02-03	PC680
500	Traxter (All Models), Quest	99-03	PC625
500	Traxter (All Models), Quest (Opt)	02-03	PC680
400	Outlander 400XT, Max	04	PC545 <sup>*3</sup>
400	Outlander 400	03	PC545
330	Outlander 330	04	PC545
<b>CANNONDALE®</b>			
	Blaze, Cannibal, Moto 440, Speed	02-03	PC310 <sup>*1</sup>
432	FX400	01	PC310 <sup>*1</sup>
<b>E-TON™</b>			
150	CXL 150 Yukon	02-03	PC310 <sup>*1</sup>
150	YXL 150 Yukon	00-01	PC310 <sup>*1</sup>
<b>HONDA®</b>			
650	TRX650 FourTrax Rincon – Opt. Cold Starting	03-05	PC545 <sup>*3</sup>
400	TRX400EX, FourTrax, Sportrax	99-07	PC310 <sup>*1</sup>
300	TRX300EX, Sportrax	93-08	PC310 <sup>*1</sup>
250	TRX250EX, Sportrax	01-08	PC310 <sup>*1</sup>
125	TRX125 FourTrax	87-88	PC310 <sup>*1</sup>
<b>KAWASAKI®</b>			
400	KLF400-B Bayou 400 4x4	93-00	PC625
400	KVF400-A Prairie 400 4x4 (CN)	97-00	PC625
400	KVF400-B Prairie 400 4x4 (CN)	98-00	PC625
400	KSF400-A (KFX400)	03-06	PC310 <sup>*1</sup>
300	KLF300-A Bayou	86-87	PC625
300	KLF300-B Bayou (CN)	92-99	PC625
300	KLF300-C Bayou 300 4x4 (CN)	92-05	PC625
300	KVF300-A Prairie 300, 4x4 (CN)	99-01	PC625
300	KVF300-B Prairie 300, 4x4 (CN)	99-02	PC625
<b>POLARIS™</b>			
800	Sportsman	05-08	PC925L
700	Sportsman, Military	02-08	PC925L
600	Sportsman	04-05	PC925L
500	Predator, Outlaw	03-06	PC310 <sup>*1</sup>
450	Diesel .445 Liter (primary)	99-03	PC925L
450	Outlaw 450	07-08	PC310 <sup>*1</sup>
<b>SUZUKI®</b>			
400	LT-Z400 QuadSport	03-08	PC310 <sup>*1</sup>
300	LT-F300F KingQuad (CN, Opt)	99-02	PC680
280	LT-F4WDX KingQuad (CN, Opt)	91-99	PC680

## Utility Vehicles continued

CC	MODEL	YEAR	REPLACEMENT BATTERY
<b>SUZUKI® continued</b>			
250	LT-4WD QuadRunner (Opt)	87-99	PC680
250	LT-F250 QuadRunner (Opt)	88-01	PC680
250	LT-F250F QuadRunner (CN, Opt)	99-02	PC680
250	LT250EF QuadRunner	85-86	PC680

<b>YAMAHA™</b>			
660	YFM660FW Grizzly	02-08	PC545 <sup>*3</sup>
600	YFM600FW Grizzly	98-01	PC545 <sup>*3</sup>
450	YFM450FW Kodiak/Automatic	03-06	PC545 <sup>*3</sup>
400	YFM400FW Kodiak/Automatic	96-02	PC545 <sup>*3</sup>
400	YFM400FB Big Bear	00-03	PC545 <sup>*3</sup>
400	YFM400FWN Big Bear 4WD	00-08	PC545 <sup>*3</sup>

## Personal Watercraft

<b>ARCTIC CAT®</b>			
	Tiger Shark (All Models)	93-01	PC535

<b>BOMBARDIER™ - SEADOO®</b>			
1500	GTX 4-Tec, RXP	03-07	PC925L
1500	All Other Models	94-07	PC625
1500	All Models	88-93	PC625

<b>HONDA®</b>			
1235	Aqua Trax F-12, F-12X	02-05	PC545 <sup>*3</sup>
1235	Aqua Trax R-12, R12X	03-07	PC545 <sup>*3</sup>

<b>KAWASAKI®</b>			
1500	JT1500-C STX-15F	04-08	PC545 <sup>*3</sup>
1200	JH1200-A, B Ultra 150	99-05	PC545 <sup>*3</sup>
1200	JH1200-A, B, C, STX-R, STX-12F	02-07	PC545 <sup>*3</sup>
1100	JH1100-B Ultra 130	01-04	PC545 <sup>*3</sup>
1100	JH1100 Zxi	96-03	PC545 <sup>*3</sup>
1100	JT1100 STX	97-03	PC545 <sup>*3</sup>
900	JH900 Zxi	95-97	PC545 <sup>*3</sup>
900	JT900 STS, STX	97-05	PC545 <sup>*3</sup>
800	JS800 SX-R	03-08	PC545 <sup>*3</sup>
750	JH750 SS, ST, Xi, XiR	92-99	PC625
750	JH750 ST, Zxi	95-97	PC545 <sup>*3</sup>
750	JS750 SX, ZX	92-95	PC625
750	JS750 Sxi, Sxi Pro	95-02	PC545 <sup>*3</sup>
750	JT750 XiR, ST, STS	94-95	PC625
750	JT750 STS, STX	96-98	PC545 <sup>*3</sup>
650	JF650 X2	86-95	PC625
650	JF650 TS	89-96	PC625
650	JL650 SC	91-95	PC625
650	JS650 SX	87-95	PC625
550	JS550 SX	86-95	PC625
550	JS550	82-85	PC545 <sup>*3</sup>

CC	MODEL	YEAR	REPLACEMENT BATTERY
<b>KAWASAKI® continued</b>			
440	JS440	87-92	PC545 <sup>*3</sup>
440	JS440	77-86	PC545 <sup>*3</sup>
400	JS400	76	PC625
300	JS300 TS, SX	86-91	PC625

<b>POLARIS™</b>			
All Sizes	All Models	ALL	PC625

<b>S.O.S Marine Mfg™</b>			
All Sizes	All Models	ALL	PC535

<b>ULTRANAUTICS™</b>			
800	All Models	87-92	PC925L
800	Wet Bike	85-86	PC925L

<b>WET JET™</b>			
All Sizes	All Models	ALL	PC535

<b>YAMAHA™</b>			
All Sizes	All Wave Runner Models	87-07	PC625

## Snowmobile

<b>ARCTIC CAT®</b>			
	All EFI Models 500cc and Over	ALL	PC680MJ

<b>BOMBARDIER™ - SKI DOO®</b>			
	All 4-Stroke	03	PC680MJ
	All Models	thru 98	PC680MJ
	CK3 Types	99-03	PC680MJ

<b>KAWASAKI®</b>			
	Snowmobile	ALL	PC680MJ

<b>POLARIS™</b>			
	All Electric Start Kits	85-93	PC680MJ
	Indy, Indy Trail	84-91	PC680MJ
	Wide Track	89-05	PC680MJ

<b>YAMAHA™</b>			
700	VX700XTCD Vmax XTC Deluxe	98	PC680MJ
700	VX700ER/DX Vmax Deluxe	99-02	PC680MJ
700	VT700 Venture	98-04	PC680MJ
700	SXV700ER SX Viper ER	02	PC680MJ
600	VX600ER Vmax 600 ER	02-03	PC680MJ
600	VX600DX Vmax Deluxe	99-01	PC680MJ
600	VT600 Venture	99-02	PC680MJ
540	EC540 Excel	79-80	PC680MJ
340	ET E Enticer	79	PC680MJ

\*1 Battery installation requires rerouting of battery cables \*2 Requires shim pad in lower battery tray \*3 PC545 is 15/16 inch lower in height than OEM battery

Note: In personal watercraft PC625 can replace the PC545 as an upgrade provided an additional 1/2" in width and 13/4" height is acceptable.

PC625 can also replace YTX20-L-BS provided an additional 3/4" height is acceptable.



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