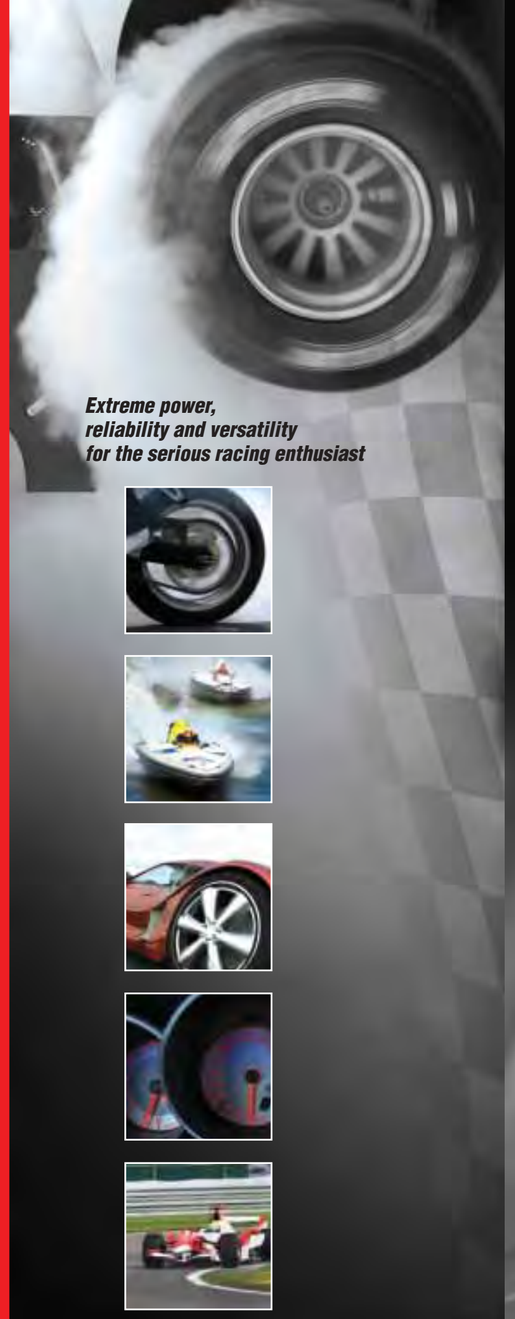

Extreme power, reliability and versatility for the serious racing enthusiast

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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www.enersys-emea.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 the Applicable Warranty Period. The Applicable Warranty Period is two (2) 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 adjustment is necessary due to defect in material or workmanship (not merely discharged). Simply return the Battery to any authorised ODYSSEY Extreme Racing battery dealer with the original receipt for a replacement. This warranty may vary from country to country; contact your authorised ODYSSEY Extreme Racing 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.

• 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:

1. Return the Battery to any authorised ODYSSEY Extreme Racing wholesaler or dealer.

2. 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.

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EnerSys® Power/Full Solutions

ODYSSEY®

THE EXTREME BATTERY

Extreme Racing™

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

TPPL TECHNOLOGY

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 2 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 (20 Hr Rate-Ah)	Nominal Capacity (10 Hr Rate-Ah)	Reserve Capacity Minutes	Length mm (inches)	Width mm (inches)	Height mm (inches)	Weight kg (lbs)	Terminal	Torque Specs in-lbs (Nm max)	Internal Resistance (m)	Short Circuit Current
Extreme 8	12	310	100	8	7	9	138.0 (5.43)	86.0 (3.39)	101.0 (3.98)	2.7 (5.9)	M4 Receptacle	8.9 (1.0)	27.1	455A
Extreme 15	12	370	156	15	14	25	200.0 (7.9)	77.0 (3.0)	140.0 (5.5)	5.7 (12.5)	M6 Stud	35 (3.9)	13.5	891A
Extreme 18	12	535	200	14	13	21	170.2 (6.7)	99.1 (3.9)	157.0 (6.18)	5.4 (12.0)	M6 Stud	40 (4.5)	8	1000A
Extreme 20	12	545	185	13	12	18	177.8 (7.0)	85.6 (3.37)	131.3 (5.17)	5.7 (12.6)	M6 Receptacle† or SAE 3/8" Receptacle†	50 (5.6)	10	1200A
Extreme 22	12	625	265	18	17	27	170.2 (6.7)	99.1 (3.90)	175.0 (6.89)	6.0 (13.2)	M6 Stud	40 (4.5)	7	1800A
Extreme 25	12	680	220	16	16	24	184.7 (7.27)	79.0 (3.11)	169.4 (6.67)	7.0 (15.4)	M6 Receptacle† or SAE 3/8" Receptacle	50 (5.6)	7	1800A
Extreme 30	12	950	450	34	32	60	250.0 (9.8)	97.0 (3.8)	156.0 (6.1)	9.0 (20.0)	M6 Stud	35 (3.9)	7.1	1700A
Extreme 35	12	925	380	28	27	52	168.6 (6.64)	179.0 (7.05)	128.0 (5.04)	11.8 (26.0)	M6 Receptacle† or SAE 3/8" Receptacle	60 (6.8)	5	2400A
Extreme 40	12	1100	500	45	43	87	250.0 (9.8)	97.0 (3.8)	206.0 (8.1)	12.5 (27.5)	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

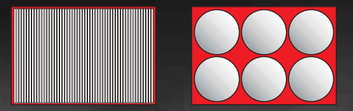
Constant voltage portable charger parameters:

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 deep-cycle life at 25°C/77°F at a 5-hour rate	
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

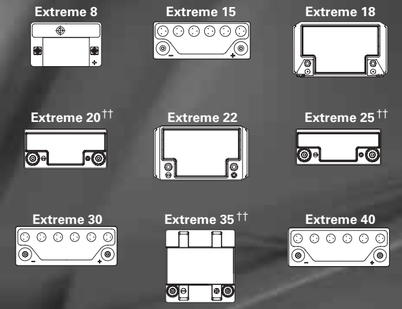
	ODYSSEY® EXTREME RACING™ BATTERIES	CONVENTIONAL BATTERIES
DESIGN LIFE	8-12 years (Float) @ 25˚C (77˚F)	5 years
SERVICE LIFE	3 to 10 years	1 to 5 years
ELECTROLYTE	Drycell ("starved electrolyte") no external leakage or corrosion	Most are acid flooded (causing acid burns and spills); some wet sealed or "gelled"
STORAGE LIFE	2 years before needing charge @ 25˚C (77˚F)	6-12 weeks before needing charge
SHIPPING	Air transportable; 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)

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 reserve capacity.



Unused battery space

Terminal layouts



Drawing sizes are for terminal position reference only; diagrams are not proportionate to each other.
†† Can be supplied with metal jacket