Powered by EnerSys

ENGINEERED WITH THIN PLATE PURE LEAD (TPPL) TECHNOLOGY

EXTREME POWER AND ENDURANCE

ODYSSEY® Extreme SERIES™

www.odysseybattery.com www.enersys.com

DRIVE IT TO EXTREMES

Up to twice the overall power of conventional batteries!

Doing double duty

Some batteries offer enormous cranking power. Others, deep cycle reserve power. Unbeatable ODYSSEY® Extreme Series™ batteries do both.

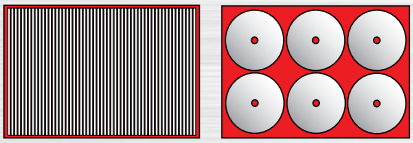
Even at very low temperatures, ODYSSEY Extreme Series batteries have the power to provide engine-cranking pulses in excess of 2250 amps for 5 seconds – double to triple that of equally sized conventional batteries. And they can handle 400 charge-discharge cycles to 80% depth of discharge.†

How so much power is possible

ODYSSEY Extreme Series batteries are made with flat plates made of 99.99% pure 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.

Packed with more power

Like many popular spiral-wound batteries, ODYSSEY Extreme Series batteries employ dry cell Absorbed Glass Mat (AGM) technology to contain acid, allowing the battery to be installed even on its side. But the densely packed flat plates in an ODYSSEY Extreme Series 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!



Unused battery space

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

ODYSSEY® batteries have a new name and new look!

While we have evolved the name to ODYSSEY® Extreme Series™ batteries, and we've updated the look, rest assured that the Extreme Series batteries are packed with the same power and technology you've been depending on for years.

ODYSSEY® Extreme SERIES™

Shipped fully charged. Get it and go!

ODYSSEY Extreme Series batteries are ready for use right out of the box. If the ODYSSEY Extreme Series 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 Extreme Series 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.

www.odysseybattery.com www.enersys.com

†PC370, PC950 and PC1100 are engine start only. Limited cycling.

RUN STRONGER LONGER

Designed and built to last up to 3 times as long as conventional batteries!

Boasting rugged construction and TPPL design, ODYSSEY® Extreme Series™ batteries have an 8-12 year design life and a 3-10 year service life.

- Select ODYSSEY Extreme Series batteries are available with metal casing for high heat applications.
- TPPL design holds acid in place to prevent spills, even when installed on its side.
- ODYSSEY Extreme Series batteries can be stored for up to 2 years and still be returned to full power.**

Tin Alloy Coated Brass Terminals*
To ensure secure, corrosion-free cable connections, our brass terminals are coated with a high-quality tin alloy◆

Robust Intercell Connections
To resist vibration and eliminate internal sparking, cell connectors are casted to the plates and bonded.

Compressed TPPL Plate Separators
For extreme vibration resistance, the TPPL plate separators are compressed before being inserted into the case.

Pure Lead Plates
To provide more power, the plates in our batteries are constructed from 99.99% pure lead. The plates are extremely thin, so more of them can fit into the battery. More lead plates means more power.

TPPL
THIN PLATE PURE LEAD TECHNOLOGY

*Excludes PC1220 and PC1350

**At 25°C. Storage times will be even longer at lower temperatures.

◆Some models excluded. See table for details.

SUPERIOR STARTING POWER AND VIBRATION RESISTANCE

The ODYSSEY® Extreme Series™ battery's incredible combination of power and endurance makes these batteries ideal for just about anything, just about anywhere.

Emergency Response

ODYSSEY® Extreme Series™ batteries are always on call with maintenance-free starting power plus massive deep cycle reserve power for on-board accessories.

- Police cars
- Fire engines
- Ambulances

4X4 & Off-Road

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

Superior cranking power and deep cycle ability mean ODYSSEY Extreme Series batteries get the job done.

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

Classic & Vintage Cars

The deep cycle reserve power of ODYSSEY® Extreme Series™ batteries ensures that classic and vintage cars will start reliably, even after two years of sitting idle.

- Vintage vehicles
- Classic trucks
- Muscle cars

Motorcycles & Powersports

The ODYSSEY Extreme Series battery delivers the power and durability that powersports 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

High Performance & Modified Vehicles

From starting high-compression engines to powering high-intensity discharge lights, ODYSSEY Extreme Series batteries can handle any upgrade, and can be mounted in almost any position.

- Tuner cars
- Race cars
- Dragsters

Sound and Video Packages

ODYSSEY Extreme Series batteries provide the power and mounting flexibility that today's high-wattage, in-car sound and video systems demand.

- Audio systems
- Video systems
- Auxiliary amplifiers

ODYSSEY® EXTREME SERIES™ BATTERY

Model	Voltage	PHCA** (5 sec)	CCA*	HCA	MCA	Nominal Capacity		Reserve Capacity Minutes	Length mm	Width mm	Height†† mm	Weight kg	Terminal	Torque Specs 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	137.5	86.0	99.0	2.7	M4 Receptacle	1.0	27.1	455A
PC370	12	425	200	315	270	15	14	25	200.0	77.0	140.0	5.7	M6 Stud	3.9	13.5	891A
PC535	12	535	200	300	265	14	13	21	170.2	99.1	158.5	5.4	M6 Receptacle	4.5	8	1000A
PC545	12	460	150	280	220	13	12	18	177.8	85.9	131.3	5.2	M6 Receptacle	5.6	10	1200A
PC625	12	530	200	420	340	18	17	27	170.2	99.1	176.5	6.0	M6 Receptacle	4.5	7	1800A
PC680	12	520	170	350	280	16	16	24	184.7	79.0	191.8	7.0	M6 Receptacle† or SAE 3/8" Receptacle	5.6	7	1800A
PC925	12	900	330	610	480	28	27	48	168.7	179.1	148.1	11.8	M6 Receptacle† or SAE 3/8" Receptacle	6.8	5	2400A
PC950	12	950	400	600	500	34	32	60	250.0	97.0	156.0	9.0	M6 Stud	3.9	7.1	1700A
PC1100	12	1100	500	800	650	45	43	87	250.0	97.0	206.0	12.5	M6 Stud	3.9	5.1	2450A
PC1200	12	1200	540	860	725	42	40	78	199.9	169.2	193.0	17.4	M6 Receptacle† or SAE 3/8" Receptacle	6.8	4.5	2600A
PC1220	12	1220	680	960	860	70	64.8	135	278.0	175.0	190.0	20.7	DIN Lead Post	N/A	5.7	2200A
75/86-PC1230	12	1230	760	1050	815	55	50	110	240.3	179.8	201.2	20.6	TOP SAE SIDE 3/8" Receptacle	6.8	2.5	3100A
PC1350	12	1350	770	1080	960	95	88.5	195	353.0	175.0	190.0	27.4	DIN Lead Post	N/A	4.2	2900A
25-PC1400	12	1400	850	1150	950	65	55	130	240.3	173.7	220.7	22.7	SAE	6.8	2.5	3100A
35-PC1400	12	1400	850	1150	950	65	55	130	240.3	173.7	220.7	22.7	SAE	6.8	2.5	3100A
34-PC1500	12	1500	850	1250	1050	68	62	135	275.6	171.7	200.2	22.4	SAE	6.8	2.5	3100A
34R-PC1500	12	1500	850	1250	1050	68	62	135	275.6	171.7	200.2	22.4	SAE	6.8	2.5	3100A
34M-PC1500	12	1500	850	1250	1050	68	62	135	275.6	171.7	201.9	22.4	SAE and 3/8" Stud (Pos.), 5/16" Stud (Neg.)	6.8	2.5	3100A
34/78-PC1500	12	1500	850	1250	1050	68	62	135	275.6	179.8	200.2	22.4	TOP SAE SIDE 3/8" Receptacle	6.8	2.5	3100A
PC1700	12	1550	810	1325	1175	68	65	142	331.0	168.4	197.6	27.6	M6 Receptacle† or SAE 3/8" Receptacle	6.8	3.5	3500A
65-PC1750	12	1750	950	1350	1070	74	65	145	300.5	182.9	190.5	26.3	SAE	6.8	2.0	5000A
PC1800-FT	12	1800	1300	1600	1450	214	190	475	581.0	125.0	316.5	60.0	M10 Stud	9.0	3.3	3800A
31-PC2150	12	2150	1150	1545	1370	100	92	205	331.7	175.0	243.6	35.3	3/8" Stud or SAE†	16.9-22.6	2.2	5000A
31M-PC2150	12	2150	1150	1545	1370	100	92	205	330.2	172.7	238.5	35.3	SAE and 3/8" Stud (Pos.), 5/16" Stud (Neg.)	16.9-22.6	2.2	5000A
PC2250	12	2250	1225	1730	1550	126	114	240	286.0	269.0	233.0	39.0	DIN Terminal and 3/8" Stud	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, PC370, PC950, PC1100 and PC1800-FT: -40°C to 50°C,*
PC535 and PC625: -40°C to 45°C,
PC545, PC680, PC925, PC1200 and PC1700 without metal jacket: -40°C to 45°C,
PC545, PC680, PC925, PC1200 and PC1700 with metal jacket: -40°C to 80°C,
PC1220, PC1350 and PC2250: -40°C to 40°C,
All other models: -40°C to 80°C

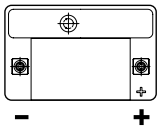
†† Height may include SAE/DIN terminal, metal jacket and maximum tolerance

Powered by EnerSys® Power/Full Solutions

POWER FOR EVERY APPLICATION.

TERMINAL LAYOUTS

PC310



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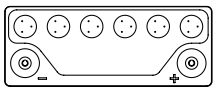

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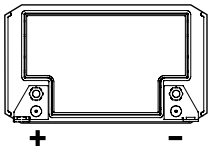

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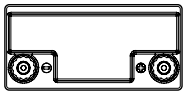

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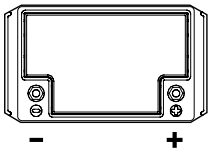

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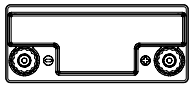

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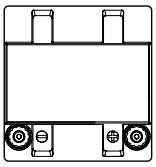

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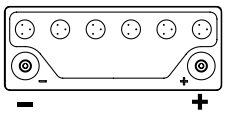

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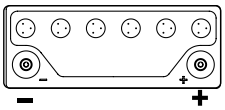

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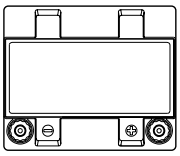

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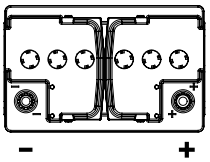

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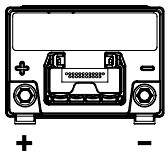

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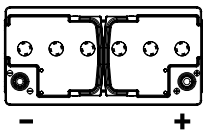

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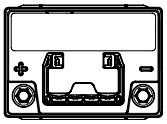

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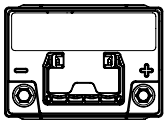

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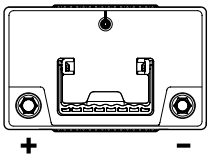

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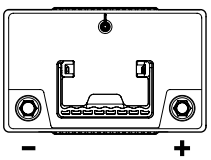

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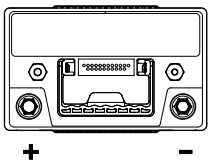

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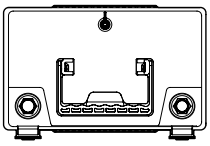

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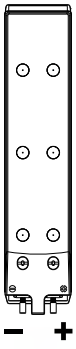

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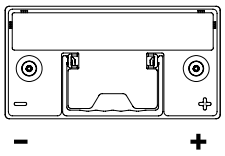

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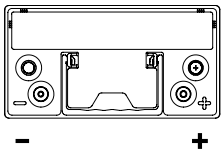

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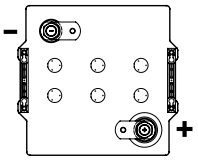

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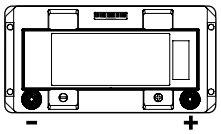

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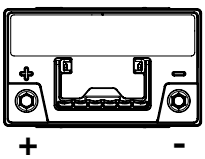

Drawing sizes are for terminal position reference only; diagrams are not proportionate to each other.
****Optional Reversed Polarity (L)*

ODYSSEY® EXTREME SERIES™ BATTERY TECHNOLOGY COMPARISON

	ODYSSEY® EXTREME SERIES™ BATTERIES	CONVENTIONAL BATTERIES
DESIGN LIFE	8-12 years (Float) @ 25°C	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	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)

WARRANTY

EnerSys Energy Products Inc. warrants its ODYSSEY® Extreme Series™ batteries to be free of defects in material and workmanship. In the event of your battery failing, we advise first determining if the battery requires a boost charge or if it needs replacing. Often a battery that is deemed to have failed is simply discharged and just requires a boost charge.

Please see our Warranty Policy, which is available from the Downloads area of our website: www.enersys-emea.com.

About EnerSys®

EnerSys® is a global leader in stored energy solutions for automotive, military, and industrial applications. With manufacturing facilities in 18 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 Global Headquarters
2366 Bernville Road
Reading, PA 19605
Tel: +1-610-208-1991
+1-800-538-3627
Fax:+1-610-372-8613

EnerSys EMEA
EH Europe GmbH
Löwenstrasse 32
8001 Zürich, Switzerland
Tel: +41 (0) 44 215 74 10

EnerSys Asia
152 Beach Road
Gateway East Building #11-03
Singapore 189721
Tel: +65 6508 1780

www.odysseybattery.com
www.enersys.com

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