



ODYSSEY
Extreme
SERIES™

EXTREME

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

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

How is so much power 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 Matt (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!

construction

- **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 resistance, the TPPL plate separators are compressed before being inserted into the case.

- **Compressed TPPL Plate Separators**

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

- **Pure Lead Plates**

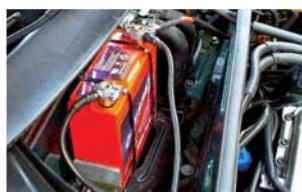
To provide more power, the plates in our batteries are constructed from 99.9% pure lead. The plates are extremely thin, so more of them can fit into the battery. More lead plates means more power.

- Selected 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 it's side.



AMERICAN MADE
DESIGNED TO PERFORM
AND BUILT TO LAST



powering the future since 1910...

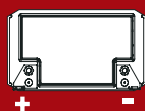
www.shieldbatteries.co.uk

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.

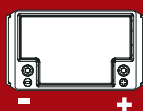
MODEL	Voltage PHCA** (5 sec)		CCA*	HCA	MCA	Nominal 20Hr Rate-Ah	Capacity 10Hr Rate-Ah	Reserve Capacity Minutes	Length mm	Width mm	Height mm	Weight kg	Terminal Specs	Torque Nm max	Internal Resistance mΩ	Short Circuit Current
PC310	12	310	100	200	155	8	7	9	138.0	86.0	101.0	2.7	M4 Receptacle	1.0	27.1	455A
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 3/8" Receptacle	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	577.9	125.0	316.0	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 3/8" Stud Only	2.1	5000A

* Cold start performance ** Pulse Current † Can be fitted with a brass automotive terminal

Terminal Layouts



PC535 / 75/86-PC1230
25-PC1400 / PC925***
34-PC1500 / 34M-PC1500
34/78-PC1500 / 65-PC1750



PC310 / PC370 / PC545 / PC625 / PC950
PC1100 / PC1350/35-PC140 / PC680 / PC680
PC925***PC1200*** / PC1220 / PC1700
31-PC215 / 31M-PC215/34R-PC1500/
35-PC1400



PC2250



PC1800-FT

Drawings show terminal position only and are not proportionate to each other. ***Optional Reversed Polarity (L)

Operating temperature range:

-40°C to 45°C without metal jacket
-40°C to 80°C with metal jacket

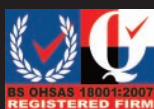
Constant voltage portable charger parameters: Standby, per 12V battery 13.5-13.8V no current limit required
Cyclic, per 12V battery (16-hour recharge) 14.4-14.8V no current limit required

Typical deep-cycle life at 25°C/77°F - 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 Series	Conventional Batteries
Design Life	8-12 yrs	5 yrs
Service Life	3 - 10 Yrs	1 - 5 yrs
Electrolyte	Drycell - No Leaks (Starved electrolyte)	Acid Flooded - Leaks/Spills Wet sealed or GEL
Storage Life	2 Yrs before charge needed	6-12 Weeks before charge needed
Shipping	Air - USDT - Spill Safe	Ground Only - Hazardous
End of Life	Slow loss of power	Immediate - Catastrophic



powering the future since 1910...