Powered by EnerSys®
Power/Full Solutions

ODYSSEY® Extreme SERIES™

GENSET OWNERS:

- **Are your batteries designed for long service life under continuous float charge?**
- **Do your batteries have excellent cranking capability even under extreme, particularly sub-zero temperatures?**
- **Will your batteries require periodic maintenance to ensure they will have adequate starting power when needed?**

Obtaining the right answers to these questions is critical to choosing the best starting batteries for your genset application. Depend on ODYSSEY® Extreme Series™ batteries with Thin Plate Pure Lead (TPPL) technology to safeguard your system.

THE FACTS ABOUT ODYSSEY®

What to look for when choosing genset batteries

- High power density. This will enable them to supply the power needed to crank large diesel engines when necessary (including in very cold weather) while taking up the least amount of space.
- Long service life. They must be able to last for years under continuous trickle charge and be ready to fire up the genset whenever necessary.
- Quick recharge capability. This is especially important in installations where frequent power outages are common.

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									
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
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
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 PC680, PC1200, PC1700 and 31-PC2150*

Operating Temperature Range: *PC1800-FT: -40°C to 50°C,*
PC680, PC1200 and PC1700 without metal jacket: -40°C to 45°C,
PC680, 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*

For more information, visit www.odysseybattery.com or www.enersys.com

EXTREME SERIES™ BATTERIES

Superior cranking capability in extremely cold weather

While the ODYSSEY® Extreme Series™ battery has the physical size of a standard BCI Group 31 size battery, its cranking capability far exceeds that of any standard absorbed glass mat (AGM) lead acid batteries in the market today. The battery will support a 400A load for over a minute before its terminal voltage drops to 7.2V at -40ºC; at 500A the terminal voltage does not drop to 7.2V for 34 seconds.

Amazing battery longevity

Genset starting batteries typically stay on continuous float or trickle charge for months or even years, and must be available to deliver the same cranking capability over their life. The data shows that TPPL batteries will last 8-10 years even when periodically subjected to high rate discharges. That is true staying power for generator starting batteries, and no periodic topping up with distilled water is required.

Quick recharge capability

In some installations where frequent power outages are common the ability of the genset battery to quickly reach a very high state of charge becomes a critical consideration in the selection of the starter battery. EnerSys® TPPL batteries are superior to standard AGM or flooded lead acid batteries: a fully discharged 126 amp-hour ODYSSEY Extreme Series battery will get to almost a 90% SOC in just 2 hours when charged by an alternator that generates 14.4V and is current limited to only 50A. A higher charge current will allow the battery to charge even faster.

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.

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