

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 ⁽¹⁾ (5 sec) | CCA ⁽²⁾ | HCA | MCA | Nominal Capacity | | Reserve Capacity Minutes | Length mm | Width mm | Height [†] mm | Nominal Weight kg | Terminal | Torque Specs Nm max | Internal Resistance (mΩ) ⁽³⁾ | Short Circuit Current ⁽³⁾ |
|----------------|---------|--------------------------------|--------------------|------|------|------------------|------------------|--------------------------------|--------------|-------------|---------------------------|-------------------------|--|---------------------------|---|--|
| | | | | | | 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 | N/A | 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 | N/A | 2.5 | 3100A |
| 35-PC1400 | 12 | 1400 | 850 | 1150 | 950 | 65 | 55 | 130 | 240.3 | 173.7 | 220.7 | 22.7 | SAE | N/A | 2.5 | 3100A |
| 34-PC1500 | 12 | 1500 | 850 | 1250 | 1050 | 68 | 62 | 135 | 275.6 | 171.7 | 200.2 | 22.4 | SAE | N/A | 2.5 | 3100A |
| 34R-PC1500 | 12 | 1500 | 850 | 1250 | 1050 | 68 | 62 | 135 | 275.6 | 171.7 | 200.2 | 22.4 | SAE | N/A | 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 | N/A | 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 |
| 629-DIN B-1300 | 12 | 2400 | 1300 | 1740 | 1550 | 170 | 153 | 370 | 518 | 223 | 218 | 53.3 | SAE | N/A | TBD | TBD |
| 625-DIN C-1500 | 12 | 2700 | 1500 | 2010 | 1780 | 220 | 198 | 475 | 518 | 276 | 225 | 65.0 | SAE | N/A | TBD | TBD |

⁽¹⁾ Pulse Current ⁽²⁾ Cold Start Performance in accordance with SAE J537 ⁽³⁾ Derived using IEC 60896-21 method

[†] Height may include SAE/DIN terminal, metal jacket and maximum tolerance ^{††} 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

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 -40°C; 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 100 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 125 years of battery experience, EnerSys is a powerful partner for automotive service and parts providers.

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Publication No: EN-ODY-GS-002 - November 2018. Subject to revisions without prior notice. E.&O.E.