

## **GENSET OWNERS:**

- **Are your batteries designed for longevity under continuous trickle charge?**
- **Do your batteries have excellent cranking capability even under extreme, particularly sub-zero temperatures?**
- **Will your batteries require periodic maintenance to assure it 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. See inside to learn why no other batteries can compare.

ODYSSEY® Extreme Series™ batteries form the core of a complete genset backup power solution from EnerSys®, the world leader in stored energy solutions. We are your one-stop solution for everything needed – batteries, racks, chargers, connectors and services – from set-up to maintenance and repair.



# THE FACTS ABOUT ODYSSEY® EXTREME



23" Space  
Saver Rack  
Mounting  
Battery  
System

**AT10-024-020-U Charger**  
12 VDC 20 amp filtered  
Microprocessor controlled,  
30 year design life.  
Wall or rack-mounted.

## 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.



Shock Protected 1 Tier Rack



# **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°F (-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 show 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 off 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.

