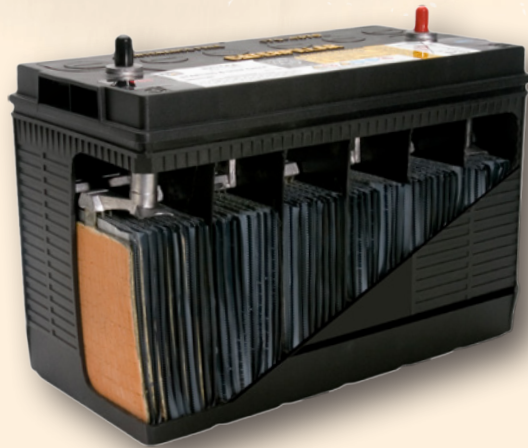




Cat Premium High Output (PHO) Batteries

# PROVEN POWER FOR EXTREME PRODUCTIVITY



You count on your equipment to endure extreme weather, navigate extreme terrain and perform extreme jobs. We get it. That's why Caterpillar goes to extremes in design and testing standards to power your equipment with the best batteries in the business. Cat<sup>®</sup> Premium High Output (PHO) batteries out-test, out-perform and outlast the competition to ensure your equipment can go all-out for the long haul, even in the harshest environments.



# EXTREME PERFORMANCE

Cat Premium High Output (PHO) batteries, standard in all new Cat machines and engine gensets, are best in class. Available in wet or dry configurations and both maintenance-free and low-maintenance design options, their extraordinary vibration-resistance, reserve capacity, recharge vigor and starting power—particularly cold starts—set them apart from the competition. They've even earned the industry's top honor (rating) for cold cranking amp (CCA) batteries.

## EXTREME FEATURES, SUPREME RESULTS

Cat PHO batteries are built with keen attention to detail, meaning extreme performance and safety no matter the application.

### Rugged Terminal Posts

Forged construction provides maximum strength and resistance to acid seepage that causes corrosion.

Thick-diameter post design provides lower electrical resistance and higher cold cranking amp (CCA) output for better starting power, even in the harshest conditions.

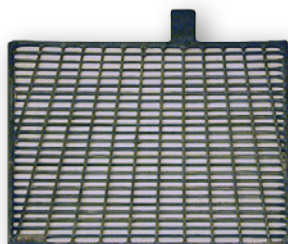
### Sturdy Casing

- Reinforced construction protects against vibration and extreme weather elements so your battery lasts longer.
- Embossed Cat logo and descriptors confirm battery authenticity and ensure easy identification for maintenance.
- Flame-arrestor safety vents minimize potential sparks to protect against explosions.
- Unique molded, brickwork-like side panels prevent punctures and stabilize casing shape to ensure battery's structural integrity for longest, most reliable lifespan.

### Robust Grid Plates & Connectors

- Unique stabilization—locked at the top and epoxy-glued at the bottom—anchors the grid plates to resist vibration, the number one cause of battery failure.
- Heavy-duty through-partition connectors shorten the electrical path to maximize starting power.

Full-frame grid design increases durability and provides overcharge protection to extend battery lifespan.



Rugged microporous separators protect against shorts and minimize vibration to further enhance battery longevity.



Exclusive acid/paste combination enables optimum charge after deep discharge, and maximum power in extreme cold and heat, for reliable all-weather performance. It also helps prevent material shedding for longer battery life.





# EXTREME APPLICATIONS CALL FOR EXTREME MEASURES

Cat PHO batteries pass 100+ rigorous quality checks before they hit your equipment, so your equipment can hit the jobsite running. These batteries are proven tough, durable and reliable in the lab—and wherever your equipment takes you.

## 100-Hour Vibration Resistance Test

Because vibration is the number one enemy of batteries, we charge the problem head-on with the most stringent testing in the industry. Cat PHO batteries endure 5X longer and 5X tougher vibration testing than any battery on the market, thanks to heavy-duty materials and quality construction. That means they'll perform better longer to increase your productivity.

## 72-Hour Deep Discharge/Recharge Test X5

We understand that simple missteps, like leaving a device charger plugged in or radio on, can drain your machine's battery and disrupt your productivity. We strike back by building batteries that can brave the drain, and we test rigorously to prove it. Cat PHO batteries are tested to the deepest discharge, simulating electrical power drains, for 72 consecutive hours, and require recovery (recharge) to 25 amps within 20 minutes. Not just once, but five times, to ensure resilience for maximum starting power when you need it.

## 30-Day Complete Discharge/Recharge Test

Even when fully discharged for an entire month, Cat PHO batteries pummel the competition by recharging to 25 amps within 60 minutes, and we have testing data to prove it. The batteries' premium materials and construction ensure your equipment will be back on the job within the hour.

## Cold Soak Test

When bitter temps hit your equipment, they are no match for the vigor of Cat PHO batteries, which can endure these extremes—proven through harsh cold soak testing to -40°C. These climate-tough batteries will allow your equally cold machines to start right up, so you won't take a hit in productivity.

## Heavy-Duty Lifecycle Test

To make sure your gensets and equipment can withstand the most severe service applications—like powering a construction site through an Antarctic winter—Cat PHO batteries are built to endure the most extreme. The SAE J2185 heavy-duty lifecycle test proves their power so you can approach like conditions with confidence.



### Clearly Cat Quality

An embossed Cat logo on every battery ensures you're not fooled by lower-quality copycats.



### First Choice For First Fit

Our top pick for every piece of new Cat equipment, we trust factory-installed Cat PHO batteries to perform the best. You can too. Optimal for Cat equipment and other OEM machines/mixed fleets.



### Maintenance Accessible

Easy-access refill caps for topping off electrolyte fluids, 40° tilt capacity for eliminating damaging spills and embossed descriptors for easy part identification make battery management a cinch.

**PROVE IT TO YOURSELF  
BY RUNNING THE ONLY TEST  
THAT REALLY MATTERS:**

**Trying Cat PHO batteries  
in your equipment, on your jobs,  
in your environment.**



## BUY CAT BATTERIES TO POWER YOUR PRODUCTIVITY

For a price quote, plus free battery management guidance, contact your Cat dealer. To order Cat batteries online, visit [Parts.cat.com](http://Parts.cat.com)

## BUILT FOR IT.™

AEXQ1877  
[www.cat.com](http://www.cat.com)

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### Batteries That Fit The Bill—And The Budget

Available in most Battery Council International (BCI) sizes for all your requirements, these batteries' durability and reliability have been proven to last longer and cost less than competitors' over the equipment lifecycle. That means less downtime and more productivity.

### Look Beyond The PHO

We offer a full lineup of battery options to charge all your power needs—from Cat General Service Line (GSL) batteries that provide the best performance in light-duty truck, automotive and recreational vehicles, to Telecom (backup power systems) and Uninterruptible Power Supply (UPS) batteries that support unique electrical requirements.

### Give Old Batteries A New Start

The Cat Battery Recycling Program makes discarding spent lead-acid batteries easy, so you can reduce waste and support your sustainability goals. Rely on Cat dealers in the United States and Canada as your trusted source for responsible battery disposal.

### The Best In Battery Support

Your experience with Cat batteries doesn't end at the sale. Cat dealers offer worldwide battery management support, sales and warranty protection.

