



PREMIUM HIGH OUTPUT (PHO) BATTERIES

TOUGHEST

BATTERIES IN

THE INDUSTRY



Premium High Output (PHO) batteries, standard in all new Cat[®] machines and engine gensets, are best in class. They 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. Cat[®] Premium High Output (PHO) batteries require little to no maintenance, reducing downtime.

Tractors Singapore



PREMIUM HIGH OUTPUT (PHO) BATTERIES

PROVEN POWER FOR EXTREME PRODUCTIVITY

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

5X INDUSTRY STANDARD IN 100-HR VIBRATION TEST

VIBRATION IS THE LEADING CAUSE OF FAILURE IN OFF-ROAD BATTERY APPLICATIONS

- PHO batteries minimize vibration forces without
 - Suffering mechanical damage
 - Losing capacity or electrolytes
 - Developing leaks
- Rugged connectors and locked cell element
- Positive & negative plates firmly anchored to waffle bottom with hotmelt provide superior retention and fight against vibration

ROBUST PERFORMANCE

72-HOUR DEEP DISCHARGE / CHARGE TEST

- Test stimulates:
 - A radio or other electrical power left on for 72 hr
 - A completely discharged battery
- Batteries must recover to 25 charging amps within 20 min

30-DAY COMPLETE DISCHARGE / RECHARGE TEST

- Battery must recover to 25 charging amps within 60 min

Quicker recharge time requirements than industry standard

UNMATCHED RELIABILITY

HEAVY-DUTY LIFECYCLE (SAE J2185) TEST

- Deeper discharge and charge cycles at extreme temperatures
- Brickwork design of case provides extra strength in all temperature extremes and reduces chance of punctures & case flexing
- Heat seal/venting prevents both interior & exterior electrolyte leakage

COLD SOAK TESTS

- Batteries cold soaked at sub-freezing temperatures
- Must start an equally cold engine to pass

STARTING IN 2022

UP TO 45% DISCOUNT



TERMS & CONDITIONS

- Special pricing promotion is valid till 22nd December 2022.
- Not valid with other promotions or discounts.
- Other terms & conditions for quotation and sales order apply.
- Tractors Singapore Limited reserved the rights to modify or cancel the program anytime.

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LET'S DO THE WORK.™

Tractors Singapore

