

Frequently Asked Questions

What type of batteries does the Electric Ox™ - MP use?

The Electric Ox uses six volt deep cycle flooded cell lead acid batteries. Each battery is rated for 115 minutes at 75amps. This type of battery is commonly used in golf carts and is easily available. Each battery is connected in series to form a 36 volt system. In 48 volt systems, six 8 volt batteries are used.

How long will a charge last?

It varies depending on the task and how much “work” the tractor is doing. The following is a good guideline for a 36 volt Electric Ox™.

Towing: 6 – 12 hours

Mower: 3 – 5 hours

Sweeper: 3 – 5 hours

Dozer Blade: 3 – 8 hours

48 volt systems have 20% – 25% greater runtime

How long do the batteries last before they need to be replaced?

The batteries are rated at 650 cycles (650 charges from 80% discharged). The batteries will have a longer life span if charged from partially discharged. The batteries may be recharge approximately 1400 times for 40% discharged.

Why does the Electric Ox™ - MP use flooded cell batteries instead of Gel cells?

The Electric Ox can accommodate Gel or AGM batteries, however this significantly increases the cost (up to an extra \$1000).

Are any particular brands of batteries better than others?

The Electric Ox comes standard with Interstate batteries. They are available in most places for a reasonable price. Other brands such as Trojan and East Penn are also acceptable as long as they meet the same specifications.

What regular maintenance requirement does the Electric Ox™ - MP need?

Regular checks on the battery water levels and add distilled water when necessary. Grease the front axles and wheels. Maintain proper air pressure in all tires.

How long does the Electric Ox™ - MP take to charge?

An overnight charge will bring the batteries to full. A “finishing” cycle is the last part of the charge cycle. It is not required to obtain a full charge, but is needed weekly to ensure a long battery life. Partially charging the batteries (e.g. Plugging it in on a lunch break) is acceptable as long as the finishing cycle is completed at least once per week.

How should the Electric Ox™ - MP be stored?

Store indoors when the charger is plugged in. the charger will automatically monitor the battery level and only come on when necessary. If the charger is left plugged in, it also prevents the batteries from freezing if kept in a cold location.

What is an electronic differential and why does the Electric Ox™ - MP use it?

The Electric Ox uses a motor for each drive wheel. When the steering wheel is turned, more power is applied to the outer wheel and less to the inner wheel during the turn. This gives the Electric Ox an exceptionally light steering feel and a small turning radius. In addition, the electronic differential provides built in traction control. If one wheel starts to slip, the wheel with the most traction gets more power. This is done automatically with no need for dangerous differential locks. This drive system is also much more efficient than using on large motor with a traditional differential.