

Frequently Asked Questions

How does the braking on the Electric Ox™ - MP work?

The Electric Ox uses “regenerative” braking. The motors turn into generators to stop the Electric Ox, charging the batteries while doing so. An automatic parking brake engages once stopped. “Regenerative” braking eliminates the need for traditional brakes and the maintenance associated with them.

Is it true that many aspects of the Electric Ox™ - MP are patented?

Patents have been granted for the Quick-Attach system for attachments and both electronic and mechanical aspects of the drive system.

What is the horse power rating of the Electric Ox™ - MP?

Raw horse power comparisons are not accurate because with a gas engine, a significant amount of energy is lost getting the power from the engine to the drive wheels. With the Electric Ox, the power is already right where it is needed. A 36 volt Electric Ox delivers performance similar to an 18 – 20hp gas tractor (depending on task). A 48 volt Electric Ox will deliver performance similar to a 22 – 25hp gas tractor.

Why does the Electric Ox™ - MP mower use a different type of blade system?

Traditional mower blades are designed to cut well but with little regard to efficiency. A higher efficiency cutting system is needed to achieve adequate run times. The Electric Ox mower uses a blade tip cutting system which cuts well but uses significantly less energy.

Is the mower a mulching mower?

The mower is a side discharge mower, not a true mulching mower. However, at 3600rpm, the blades are rotated significantly faster than a traditional mower. As a result, the grass is cut several times before it is expelled from the chute. In addition, the sharp, thin blades ensure that the grass is cut very cleanly allowing it to quickly dry and naturally decompose.

How quiet is the mower?

The noise has been measured at 72dB at the driver’s ear when on the grass. Practically this means that 25 feet away, you hardly hear the mower going 50 feet away you don’t.

What safety features are available on the Electric Ox™ - MP?

The Electric Ox requires a key to have any features operational including the front lift system. A seat switch (with a programmable 7/10th of a second delay) shuts off the tractor and attachment if the seat is empty. If the pedal is depressed when the key is turn, the pedal must be returned to neutral before the tractor starts. The mower blades stop instantly (1/10th of a second) when the attachment is shut off. The mower power cord is too short to allow it to be plugged in while in the cleaning position. Both the key and the RELEASE button must be used to release an attachment. The very low center of gravity means the Electric Ox is exceptionally stable on hills. The electronic differential provides the benefits of a differential lock without the safety concerns. The automatic parking brake ensures that the parking brake is always on. The Electric Ox will not operate while the automatic parking brake is disengaged.

What types of AC Inverters are offered?

Two models are offered: a 900 watt continuous, 3000 watt surge and a 1500 watt continuous, 6000 watt surge. Both are 24 volt inverters and are matched by two bank 24v/12v charger.