

CUB CADET LITHIUM-ION MOWER FREQUENTLY ASKED QUESTIONS

How long will the mower last per charge?

The time a mower can operate on a full charge can vary depending on a variety of conditions including the size of the battery, size of the cutting deck, grass length and moisture levels, yard terrain and the use of attachments such as a bagger and mulch kit.

The CC 30 e Lithium-ion electric riding lawn mower has a 1500 watt-hour, 30 amp-hour, 56-volt max battery, which provides energy to mow your lawn for up to 1 hour, or up to 1 acre per charge.

The LT42 e Lithium-ion electric riding lawn mower has a 3000 watt-hour, 60 amp-hour, 56-volt max battery, which provides energy to mow your lawn for up to 1.5 hours, or up to 2 acre per charge.

All Cub Cadet Lithium-ion electric lawn mowers come with an anytime fast charger that allows you to partially charge the rider if additional mowing is required and fully recharge both riders in approximately 4 hours.

How long does it take for the battery to recharge?

Unlike other battery riding lawn mowers that require overnight charging, Cub Cadet's Lithium-ion electric riding lawn mowers come with an anytime fast charger that allows you to partially charge the battery rider if additional mowing is required. The anytime fast charger recharges 25% of the battery every hour with a full recharge in approximately 4 hours. The electrical current charging the battery will stop after 5 minutes of reaching a full charge. This helps prevent overcharging the battery. However, the charger will stay on while connected to the wall outlet. Leaving your rider plugged in for longer than 4 hours will not damage the battery.

Can I charge the battery from a regular outlet?

Yes, Cub Cadet's Lithium-ion electric riding lawn mowers can be charged using a standard electrical outlet. The charger uses an electrical input of 720W, 6A at 120V. You should never connect the charger to an AC voltage that differs from 100-240V.

What is the difference between lead acid and Lithium-ion batteries?

There are several benefits that Lithium-ion batteries have over lead acid batteries. In addition to being smaller and lighter, Lithium-ion batteries last longer than their lead acid counterparts. Lithium-ion batteries can also be fast charged to their full capacity. If you are not charging to full capacity, Lithium-ion batteries do not have a charge memory and partial charges do not damage the battery.

How much will it cost me to charge the battery?

The Cub Cadet Lithium-ion electric riding lawn mowers use a nominal amount of power to charge. Though the cost of electricity can vary regionally, on average, a single charge will cost less than \$0.50 (see below).

Current average electricity rate (Spring 2019): \$0.1319

CC 30 e 2.75KW per charge; $2.75 * \$0.13 = \mathbf{\$0.36}$ per charge

LT42 e 3.47 KW per charge; $3.47 * \$0.13 = \mathbf{\$0.46}$ per charge

What is the expected life of the battery?

Operating under normal conditions and care, our rechargeable Lithium-ion batteries will last for the lifetime of the product. Cub Cadet offers the industry's strongest warranty with a 3-year limited warranty that protects your mower and a 4-year battery warranty against manufacturing defects.

How much does a replacement battery cost?

The Cub Cadet Lithium-ion electric riding lawn mowers come with the industry's strongest warranty with a 3-year limited warranty that protects your mower and a 4-year battery warranty against manufacturing defects. Operating under normal conditions and care, our rechargeable Lithium-ion batteries will last the lifetime of the mower. However, if you ever need to replace your battery, please see your local authorized Independent Dealer or retailer for the most up to date pricing.

What happens if I run out of power in the middle of mowing?

Cub Cadet's Lithium-ion electric riding lawn mowers will alert you that the battery capacity is low by a red, flashing indicator light on the Vehicle Control Module (VCM). If this happens while the blades are engaged, the blades will automatically shut off to conserve power. When this light starts flashing, it is recommended that you drive to your charging location to recharge your mower. Both mowers come with an anytime fast charger that will allow you to partially recharge your mower to finish your project.

What benefits does a Lithium-ion powered riding lawn mower provide over a gas-powered mower?

One of the biggest benefits of a battery-powered lawn mower is the reduction of regular maintenance. Unlike their gas-powered counterparts, battery-powered mowers do not require belts, filters or oil to be changed. Additional benefits include a reduction of noise and savings seen through the elimination of purchasing gas.

Does this mower have the same power for cutting high thick grass as the gas-powered equivalent?

Cub Cadet's Lithium-ion electric riding lawn mowers are engineered to perform to the same standards as their gas-powered counterparts. You can expect the same unmatched strength and durability along with the peace of mind that comes with all our Cub Cadet products.

Additionally, our Lithium-ion lawn mowers will also not experience power fade as the battery depletes, maintaining a superior cut quality throughout operation.

What maintenance is required?

The Cub Cadet Lithium-ion electric riding lawn mowers have no belts, filters or oil to maintain, so there is minimal maintenance required compared to that of a traditional gas-powered mower. However, like all mowers, the blades will require sharpening or replacing and general cleaning and lubrication. Refer to the operators manual for the full service and maintenance schedule.

Can the Cub Cadet Lithium-ion electric riding lawn mowers bag grass?

The Cub Cadet Lithium-ion electric riding lawn mowers accepts the same optional bagger as that of the gas-powered rider and performs equally as well. Please note, bagging and mulching increases power consumption and may diminish the overall run time.

What attachments can I use with a battery-powered mower?

As with their gas-powered counterparts, Cub Cadet's Lithium-ion electric riding mowers are equipped to handle a variety of attachments. Though the attachments can vary, both models can be fitted with bumpers, baggers, mulch kits, haulers, carts, sweepers and spreaders. To see a more complete list of the available attachments, please see the product page.

Are battery-powered mowers safe?

Cub Cadet's Lithium-ion electric riding lawn mowers are safe to operate when used under normal conditions and care. All our Lithium-ion electric riding lawn mowers have gone through the same rigorous safety and performance testing as the gasoline-powered machines. In addition, they are also certified to meet the electrical safety standards required by Underwriters Laboratories (UL) and are confirmed in compliance with a UL mark of approval for the batteries, charger and riding mower.

How do I prepare the mower for the off-season?

As with all batteries, you want to avoid using and storing them in extreme temperatures. The optimal temperature for charging batteries is between 32° and 104°F (0° and 40°C). Cub Cadet recommends keeping the riding mower plugged in throughout the off-season. Lithium-ion batteries do not have a charge memory and the battery will not be harmed by remaining plugged in. If this is not possible, the battery should be fully recharged at least once a month. At the start of the season, you will want to make sure the battery is fully charged before using it for the first time.

Can the Cub Cadet Lithium-ion electric riding lawn mowers be used in the rain or wet conditions?

Cub Cadet's Lithium-ion electric riding lawn mowers are engineered to handle cutting in damp or moist grass conditions. Like other outdoor power equipment, the mower should not be operated in the rain, taken through heavily saturated areas or stored outside.

If something is wrong with the mower, where can I take it to be serviced?

Cub Cadet Independent Dealers that sell battery-powered equipment are trained to provide not only the little regular maintenance that is needed but also any repairs or issues.