



## FREQUENTLY ASKED QUESTIONS

### CHAINSAW MODEL CS250

#### 1. How long does the battery last?

An Endurance battery pack will last approximately 250 cuts per charge in 2 to 3 inch (5-7cm) diameter limbs. This performance may vary with user technique, chain sharpness, size and type of wood. A Standard battery pack will last approximately 50% of an Endurance battery pack. Cuts per charge will drop significantly with increasing diameter of wood.

#### 2. How long does the battery take to charge?

A completely discharged Endurance battery pack will take approximately 120 minutes to charge, while a Standard battery pack will take approximately 60 minutes.

#### 3. How many times can the battery be recharged?

Both Endurance and Standard battery packs use premium cell technology and will last for approximately 1000 charge / discharge cycles.

#### 4. How fast does the saw cut?

With an Endurance battery pack, in 2 to 3 inch (5-7cm) diameter limbs, the chainsaw will make a cut in approximately 1 second. In 3 to 6 inch (7-15 cm) diameter limbs, the chainsaw will take approximately 4 seconds, while large 8 to 10 inch (20-25 cm) diameter cuts will take approximately 25 seconds. This performance may vary with user technique, chain sharpness, and hardness of the wood. Cutting speeds with a Standard battery pack are very similar in small diameter limbs.

#### 5. What is the difference between Endurance and Standard batteries?

An Endurance battery pack offers increased capacity as it has 20 individual lithium ion cells, while a Standard battery pack has 10 cells. An Endurance battery pack weighs 2.7 lb (1.2 kg), while a Standard battery pack weighs 1.7 lb (0.8 kg). In the chainsaw model CS250, an Endurance battery pack also offers increased power for faster cutting speed in large diameter wood.

#### 6. What is the difference between lithium ion and other batteries?

Batteries with lithium ion chemistry have four advantages over other power tool batteries.

- **High power density:** lithium ion battery cells have both high power and light weight
- **No fade:** lithium ion batteries deliver constant power throughout the pack discharge
- **No memory effect:** charge maintenance and full discharge are not necessary to retain consistent capacity throughout battery pack lifetime
- **Always ready:** lithium ion batteries stay charged for months when left off the charger

#### 7. What is PowerSharp® (the red lever) and how does it work?

The chainsaw has a built-in chain sharpening system. When the chain is dull or not cutting fast enough: bring the chainsaw to full speed, simply pull the red lever for 3 to 5 seconds, and the chain will work like new. Depending on how much the chain was damaged prior to sharpening, expect approximately 10 to 20 resharpenings on an individual PowerSharp chain.

#### 8. Can a non-PowerSharp® type chain be used on the saw?

Yes. Other chains can be used on the chainsaw; however, the integrated sharpening feature will only work with PowerSharp chain. When installing another chain type, remove the sharpening stone as non-PowerSharp chains can be damaged by operating the red lever when a sharpening stone is installed. OREGON® 91PX chain is recommended as an alternate chain.

#### 9. Can I put a shorter or longer guide bar on the saw?

It is not recommended to install a guide bar longer than 14 inches (35 cm). The chainsaw has been designed with a 14 inch (35 cm) guide bar as the optimal length. Performance will decrease with a longer guide bar. Shorter guide bars with an A041 tail mount can be fitted to the chainsaw.



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### 10. Does the saw use oil?

Yes. Bar and chain oil is required to properly lubricate the cutting system. OREGON® bar and chain oil is recommended. Place the chainsaw on its side and fill the oil reservoir accessed through the oil cap. Check oil level frequently and fill as needed.

### 11. Is the knob on the cover for tightening the chain?

No. The side cover knob tightens the guide bar against the chassis of the chainsaw. Chain stretches in normal use and will need to be periodically re-tensioned. Use a screwdriver on the tension adjustment screw, located inboard of the guide bar on the front face of the chainsaw, to adjust chain tension as described in the operator's manual.

### 12. How do I eject the battery?

To remove the battery pack from the chainsaw, lift up on the release lever located below the battery pack to the right side of the rear handle. For best results, a slight inward push on the battery pack while lifting up on the release lever will help aid the release. If the battery pack does not release immediately, use a second hand to pull the battery pack out of the chainsaw.

### 13. If I overload the saw will the battery or saw be damaged?

No. The chainsaw is equipped with multiple protection features and will stop running before damage occurs.

### 14. Is there a best way to store the battery or saw?

To maximize performance, never store battery packs in a completely discharged condition. It is recommended to remove the battery pack from the chainsaw for storage. Battery pack performance may be reduced when stored in elevated temperatures above 86° F (30°C) for long periods of time.

### 15. Should the battery charger always be plugged in?

The battery charger has an integrated safety circuit that will monitor and remain idle when not charging. The battery charger can remain plugged in with or without a battery pack.

### 16. Can I leave my battery on the charger?

Yes. Both Endurance and Standard battery packs can be left on the charger indefinitely.

### 17. What does the solid amber light on the charger mean?

The battery charger is signaling that the battery pack is not within the proper temperature range to begin charge. After a battery pack has been used on a job, it may be warm. The battery pack can be left on the battery charger during the temperature adjustment, charging will begin automatically (flashing green light) when the battery pack has reached proper temperature.

### 18. Can I put a partially discharged battery on the charger?

Yes. There is no reduction in battery pack performance or life by recharging either the Endurance or Standard battery pack at any point in the charge or discharge cycle.

### 19. How long will a battery maintain its charge if not used?

When left off the battery charger both Endurance and Standard battery packs will retain approximately 90% of their charged capacity for up to 5 months. When left on the battery charger for extended periods of time, the battery charger will occasionally top off a battery pack to at or near 100% capacity.

### 20. How do I dispose of a battery pack?

Do not dispose of lithium ion battery packs in household garbage. Recycling centers and receptacles in dealers and major electronics retailers accept both the Endurance and Standard battery packs. For more information, call the helpline 800.822.8837 or visit [www.call2recycle.org](http://www.call2recycle.org)