



USER'S MANUAL  
MAL 1B15







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## PRECAUTIONS BEFORE USE



**WARNING.** Read safety warnings and instructions. Failure to heed warnings and follow instructions may lead to an electric shock, a fire and/or serious injury.

### Retain all warnings and instructions for future reference.

In warnings, the term “tool” refers to your mains powered electric tool (with power supply cord) or your battery operated tool (with no power cord).

## ENVIRONMENTAL PROTECTION



Follow all country-specific waste disposal rules and regulations.

Electric appliances must not be disposed of as household waste.

Recycle the device, accessories and packaging.



Ask your approved INFACO dealer for up-to-date information on eco-compatible waste disposal.

## CASE CONTENTS

- 1 Battery
- 1 Charger
- 1 Charger Power Cord
- 1 Battery-Holder Jacket (Belt + Suspenders)
- 1 Instruction Manual





## PRODUCT OVERVIEW



## SPECIFICATIONS

Reference	Battery 831B	
Rated voltage	46.8 V	
Capacity	2.5Ah / 117Wh	
Weight	810 g	
Dimensions	190mm x 90mm x 60mm	
Reference	Charger 841C1	Charger 841C2
Input	220/230V - 50/60Hz	110/120V - 50/60Hz
Output	54,6V - 2A	
Power	110W	
Fuse	3.15A	

These specifications are given as an indication only. Under no circumstances may they be considered as contractually binding. They are subject to modification without prior notice in the interests of product development.

Patented equipment





## FIRST USE

The first time you use the equipment, we strongly recommend you to ask the advice of your dealer, who is qualified to give you all the advice you need for correct use and optimum performance.



It is essential to read these instructions carefully before using the device.

### Battery

Before using the equipment for the first time and/or putting the battery to sleep mode, fully charge the battery (see charging procedure on page 10).



The F3015 Lithium battery **MUST** be recharged using the INFACO Lithium charger (Ref.: 841C1/841C2).

It is prohibited to use a different charger as this may lead to a serious electrical accident.

### Carrying the Equipment

1. Remove the battery, the battery-holder belt, the suspenders, the holster and the power cord from the case.
2. Fit the battery onto the battery-holder belt. To do this, slip straps through the battery tabs. Place the holster on the left or right strap on the battery-holder belt.
3. Slip the power cord through the left or right eye-hole provided in the battery-holder belt.
4. Fix the battery-holder belt to your waist, the battery must be located in the lumbar region.

When using suspenders, fix them to the battery-holder belt and adjust them to your size by pulling on the straps.



In wet weather, it is imperative to carry the battery under waterproof clothing to keep the battery unit protected from the rain.





## PRECAUTIONS FOR USE

Do not leave the pruning shears and/or the battery on the ground, and do not expose them to bad weather conditions.

Make sure the battery's protective plastic casing is not cracked and is free from any physical damage

When working it is normal that the battery temperature rises (as during charging).

Recommended operating temperature: -5 to 35°C Use outside this temperature range may reduce the tool's performances.

*In wet weather, it is imperative to carry the battery under waterproof clothing to keep it protected from the rain.*

*After using the tool in wet conditions or in a damp environment, it is strongly recommended to store the (disconnected) device outside its case in a warm, dry and ventilated place.*

Keep the cord away from the cutting zone.

## YEARLY MAINTENANCE

*At the end of the pruning season, remember to put the batteries in sleep / winter mode to prevent their premature ageing during storage (see page 11). We strongly recommend that you send your units for an annual maintenance/service every year. This will ensure proper functioning of your unit and gives an opportunity to have your units checked and assessed.*

## TRANSPORT PRECAUTIONS

The case is certified for the transport of Lithium batteries > 100Wh (UN 3480-3481 standard). However, some rules must be followed when shipping using a transporter:

The unit must be fully disconnected (pruning shears, coil, and battery).

It is compulsory for the battery to be placed in the housing provided in the case. The case must be taped / shut correctly to prevent any risk of it opening.



# CHARGING THE BATTERY

## Using the charger

To charge your battery, plug in the charger in a well ventilated area which is free from inflammable products and other sources of combustible materials. The area must be at a temperature between 10°C and 25°C and be sheltered from damp conditions.



1. Connect one end of the power cord to the charger.



2. Connect the other end of the power cord to the mains outlet.



3. When powered on, the charger initialises: Green LED + Red LED light for 2 seconds.



4. When the LEDs turn off, the charger is ready for use.

## Charging the battery



It is strictly forbidden to charge the batteries when the temperature in the room is below 0°C or higher than 40°C.

When charging, the battery must not be covered and not be close to a heat source.



1. Place the battery on channel 1 of the charger.



Voie 1 ● ● ● ● ● ●

2. Once the battery is in place, the charger detects it and begins charging:

- Channel 1: Green LED flashes quickly throughout the charge.



3. Battery charge completion:

- Channel 1: Green LED on (not flashing).

The time needed to fully charge an 831B battery is about one and a half hours.





## Charging a second battery

A second battery can be placed on the charger:



- Place the battery on channel 2 of the charger.



Channel 1

- If the battery on channel 1 is charging, the battery on channel 2 switches to a waiting charge status:
  - Channel 1: Green LED flashes quickly throughout the charge.
  - Channel 2: Green LED flashes slowly throughout the wait.

Channel 2



- Once the battery on channel 1 is fully charged, the battery on channel 2 begins charging:
  - Channel 1: Green LED on (not flashing) (battery charged)
  - Channel 2: Green LED flashes quickly throughout the charge.



- The two batteries are charged:
  - Channel 1: Green LED on (stops flashing).
  - Channel 2: Green LED on (stops flashing).

## Storing the battery / Putting the battery to Sleep Mode or Winter Mode



To keep your batteries in good condition (at the end of every pruning season or when not used for more than 1 month) the following process must be applied (this process can take up to 10 hours per battery)



- Place the battery (or batteries) on the charger.  
NOTE: If there are two batteries on the charger, the sleep mode will be carried out on both batteries, one after the other.



- SLEEP MODE complete:
  - The charger's LED stays red (not flashing).
  - Channel 1's LED (and channel 2's if there are 2 batteries) stays green (not flashing).

The battery must be removed from the charger and stored in the case.  
Indicate that wintering is disabled when the mains plug is disconnected  
To enable or disable wintering, the wintering button must be pressed.



Channel 1

- Press the SLEEP button to begin the process. The LED switches to red (not flashing) and the charging LED flashes green.  
NOTE: If there are two batteries on the charger, the sleep mode will be carried out on both batteries, one after the other.





## Forgetting to put your Batteries in Sleep Mode



If the sleep process has not been followed correctly there may be a loss of autonomy in future uses of the battery. To remedy this situation, leave the battery on charge for between 12 and 72 hours (for extreme cases of incorrect storage that cause an imbalance).

Full autonomy can also be recovered over several daily charges that can be spread over the first week of work. To do this, make sure the battery remains on the charger every night during the first week of work.

Reminder: Putting the battery to sleep mode eliminates any risk of battery imbalance (see page 11).

## Battery storage instructions

Store the battery and the charger in a well ventilated area, free from inflammable products or heat sources, and keep out of reach of children.

Do not store empty batteries. If the battery is very flat it will no longer charge and will be considered to be out of service.

Do not store the battery without carrying out the Sleep / Winter mode process.

Do not store batteries that are out of service, return them to your approved INFACO dealer.

Do not store batteries when they are connected to the charger or to a tool.

Do not store the charger connected to the mains power supply.



All failures to follow the storage and safety instructions will result in the manufacturer's guarantee being voided.



There is a fire hazard if the product suffers damage (impacts, being dropped, exposure to high temperatures, etc.).



According to the 2002/96/EC standard, do not dispose of the battery with household waste, do not burn it or dispose of it in water. Do not open the battery.



Return the battery to an approved INFACO dealer.

Used or defective batteries must be recycled according to the 91/157/EEC directive.

## Charger safety

### Temperature fault on channel 1:

#### Flashing red LED

1. Remove the battery from channel 1 and wait a few minutes for the battery to cool down.
2. Place the battery on the charger. If the problem persists, please contact your approved INFACO dealer.



Channel 1 ● ● ● ● ● ● ● ●

### Temperature fault on channel 2:

#### Flashing red LED

1. Remove the battery from channel 2 and wait a few minutes for the battery to cool down.
2. Place the battery on the charger. If the problem persists, please contact your approved INFACO dealer.

Channel 2 ● ● ● ● ● ● ● ●





### Defective battery on channel 1: Red LED on (not flashing)

1. Remove the battery from channel 1 and connect to channel 2.
2. If the problem persists, remove the defective battery from the charger and contact your approved INFACO dealer.



### Defective battery on channel 2: Red LED on (not flashing)

1. Remove the battery from channel 2 and connect it to channel 1.
2. If the problem persists, remove the defective battery from the charger and contact your approved INFACO dealer.



Please remember that the INFACO Lithium charger (Ref.: 841C2/842C2) is for exclusive use with the F3015 Lithium batteries. It is not suitable for use with NiMH (Metal hydride) batteries.

## SAFETY INSTRUCTIONS

Caution: When the device is not in use (storage, transport, end of charging, etc.) it is compulsory to disconnect the battery from the power cord.

Never carry the charger by the cord, and do not pull on the cord to disconnect it from the socket. If a cord is defective or damaged, it must be replaced with a genuine set from the INFACO factory or from an approved INFACO dealer.

Never try to open the battery for any reason.

Never make any mechanical alterations to the battery, harness, charger or connectors.

Never let the battery or charger come into contact with water.

Never wear the battery on your back when it is charging.

Never expose the battery or the charger to high temperatures (direct sunlight, heating, etc.) > 60°C.

Never recharge the battery in temperatures below 0°C or above 40°C.

Do not charge the battery near inflammable or explosive materials (fuel, gas, nitrogenated fertilisers, etc.).

Never leave to charge for extended periods without surveillance.

Never use chargers, batteries, cords, etc. other than those sold by INFACO.

Do not use chemicals to clean the device (pruning shears, cords, batteries and charger).

To reduce health risks, INFACO recommends that persons with a pacemaker get medical advice and consult the pacemaker manufacturer before using this device.

## TERMS OF WARRANTY

When replacing a battery under warranty, the replacement will only be made on the condition that the capacity of the battery is less than 70% of its initial capacity.

However, we confirm that the battery service life is at least five seasons. If the battery does not last five seasons, and if the equipment has been serviced, we will warranty on a pro-rata basis.

For example: Price of the new battery divided by 5 (service life) and multiplied by the number of seasons used.

The warranty will only be valid if the warranty card is filled out correctly and returned to the address featured on it.

Should the warranty card not be returned immediately after the purchase of the device, the warranty start date will be the date the unit left the factory?





INFACO declines all liability in terms of warranty for devices sold by distributors more than one year from their departure from the factory.

This warranty corresponds to normal use of the equipment and does not cover:

- damage due to poor maintenance or lack of maintenance,
- damage due to incorrect use,
- damage due to normal wear,
- devices that have been dismantled by unauthorized repair agents,
- external factors (fire, flood, lightning, etc.),
- impacts and their consequences,
- devices for which the warranty card was not returned at the time of purchase,
- devices used with a battery or charger of a brand other than INFACO.

Under no circumstances shall the warranty entitle to compensation for any immobilisation of the equipment during the time required for its repair.

Any repair or replacement during the warranty period does not entitle to the renewal or extension of the original warranty.

The warranty covers factory labour (on condition that the device has always been serviced) but does not necessarily apply to dealer labour costs.

All work carried out by persons other than authorised INFACO agents will void the INFACO warranty.

In the event of a breakdown, we strongly recommend users of INFACO equipment to contact the dealer who sold them the equipment, or our customer service department by dialling +33 (0)5 63 33 91 49.

**To avoid all disputes, please note the following procedure:**

- equipment covered by the warranty, send to us at your expense and we will return it at our expense,
- equipment not covered by the warranty but serviced during the previous off-season, send to us at your expense and we will return it at our expense,
- equipment not covered by the warranty and not service during the previous off-season, send to us at your expense and we will return it at your expense, C.O.D. If the cost of the repair exceeds 80€ ex. VAT, you will be sent a quote.

However, we confirm that the battery lifetime is five seasons. If the battery does not last five seasons, and if the equipment has been serviced, we will apply a prorata battery change on condition that the capacity returned by the battery is less than 70% of its initial capacity.

Example: Price of the new battery divided by 5 (lifetime) and multiplied by the number of seasons used.

### Technical information or After-Sales:

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