

# Kress

# Commercial



## SAFETY AND OPERATING MANUAL

CyberLite Charger

KAC844



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## INTRODUCTION

Dear Customer,

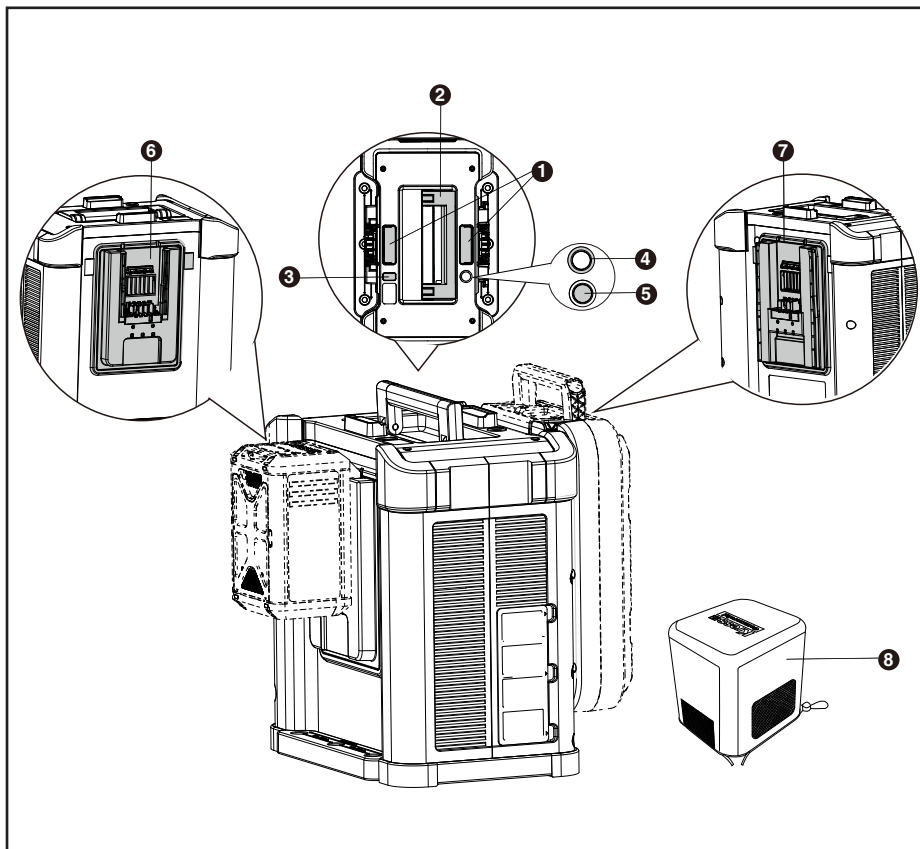
Thank you for buying this Kress Commercial product. We are dedicated to developing high quality products to meet your commercial landscaping requirements.

The Kress brand is synonymous with premium quality service. Over the years of your product's life, if you have any questions or concerns about your product, please contact your dealer or our Customer Service Team for assistance.

We are confident you will enjoy working with your Kress product for years to come.

## INTENDED USE

The CyberLite charger was designed to facilitate "Charging on the Go" which allows the end user to charge 60V Kress batteries off the "NEW" CyberCapsule.



## COMPONENT LIST


- |    |   |
|----|---|
| 1. | BATTERY PACK RELEASE BUTTONS  |
| 2. | CARRY HANDLE  |
| 3. | CHARGE INDICATOR LIGHT  |
| 4. | POWER INDICATOR LIGHT   |
| 5. | ON/OFF SWITCH   |
| 6. | PORT 1 FOR KRESS 60V CYBERPACK BATTERIES<br>(COMPATIBLE WITH ALL KRESS 60V BATTERIES)       |
| 7. | PORT 2 FOR KRESS 60V CYBERCAPSULE BATTERY<br>(COMPATIBLE WITH KRESS 60V BACKPACK BATTERIES) |
| 8. | RAIN COVER *  |

\* Not all the accessories illustrated or described are included in standard delivery.

## PRODUCT SAFETY

Users can view the electronic instructions at <https://www.kress.com/>.

## GENERAL SAFETY WARNINGS

 **WARNING** Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

**Save all warnings and instructions for future reference.**

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

The appliance is only to be used with the power supply unit provided with the appliance.

## DO NOT EXPOSE THE APPLIANCE OR BATTERY TO EXCESSIVE TEMPERATURES

1. Rechargeable batteries are to be removed from the appliance before being charge
2. Different types of batteries or new and used batteries are not to be mixed;
3. Exhausted batteries are to be removed from the appliance and safely disposed of;
4. If the appliance is to be stored unused for a long period, the batteries should be removed;
5. Do not use non-rechargeable batteries in place of rechargeable batteries
6. Do not use modified or damaged batteries.

## ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR CHARGER

1. Before charging, read the instructions.
2. Do not use chargers for works other than those for which they are designed. Do not charge the batteries of other manufactures or ill-suited models .
3. Do not recharge non-rechargeable batteries,

as they can overheat and break.

4. Do not charge a leaking battery.
5. Do not operate the charger in rain or wet conditions. This may increase the risk of electric shock. Once got wet in the rain during operation, the charger and the battery should be dried before storing or charging. Remove the battery and reinsert it if the charger fails to turn on. Keep battery connection free of dirt and debris, and clean with a soft and dry brush or cloth.
6. Do not open the unit and keep it out of the reach of children.
7. Ensure that the connection between the charger and your equipment is correctly positioned.
8. Do not short out the contacts of battery or charger.
9. Keep charger's slots free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
10. When charging your equipment, ensure that the charger is in a well-ventilated area and away from inflammable materials. Ensure that your equipment and charger are not left

unsupervised during charging.

11. Longer life and better performance can be obtained if your equipment is charged when the air temperature is between 18°C and 25°C. Do not charge your equipment in air temperatures below -5°C, or above 45°C.
12. Do not expose the appliance or battery to excessive temperatures.
13. Disconnect from your equipment when not charging or the charging is over.
14. Charge only battery pack of the same model provided by Kress and of models recommended by Kress.

## **SAFETY WARNINGS FOR BATTERY PACK**

**a) Do not dismantle, open or shred cells or battery pack.**

**b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.**

When battery pack is not in use, keep it away from other metal objects, like

paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

- c) Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- d) Do not subject battery pack to mechanical shock.**
- e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
- f) Keep battery pack clean and dry.**
- g) Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
- h) Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
- i) Do not maintain battery pack on charge when not in use.**
- j) After extended periods of storage, it may be**

**necessary to charge and discharge the battery pack several times to obtain maximum performance.**

- k) Recharge only with the charger specified by Kress. Do not use any charger other than that specifically provided for use with the equipment.**
- l) Do not use any battery pack which is not designed for use with the equipment.**
- m) Keep battery pack out of the reach of children.**
- n) Retain the original product literature for future reference.**
- o) Remove the battery from the equipment when not in use.**
- p) Dispose of properly.**
- q) Do not mix cells of different manufacture, capacity, size or type within a device.**
- r) Keep the battery away from microwaves and high pressure.**
- s) Warning! Do not use non-rechargeable batteries.**

## **USER MANUAL REQUIREMENTS FOR WIRELESS PRODUCT**

- a) Operation of this device is

subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

b) Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

c) NOTE: This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the










receiving antenna.

- Increase the separation between the equipment and receiver.



- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

## SYMBOLS


	To reduce the risk of injury, user must read instruction manual
	Caution
T80A 	Fuse
	Plus; positive polarity
	Minus; negative polarity
	Double insulation
 Li-Ion  Li-Ion	Li-Ion battery This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.
	Do not burn




	<p>Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.</p>
	<p>RCM marking</p>

**ABN:** Australian Business Number. By this number, business information such as entity type, status, business location etc. can be found at website <http://abr.business.gov.au>.  
 ABN of Positec Australia Pty Limited is 14 101 682 357

## CHARGING PROCEDURE

 **NOTE:** Before using the charger, read the instruction book carefully.

 **WARNING:** The battery packs are specifically designed to work together so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because an electrical failure and hazard will occur.

### CHARGING

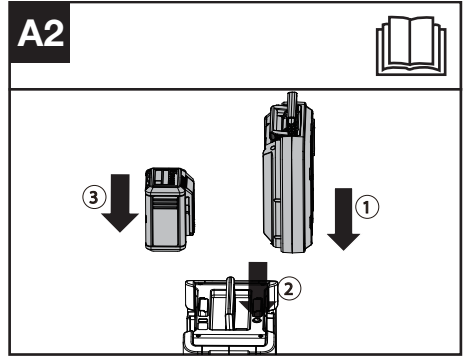
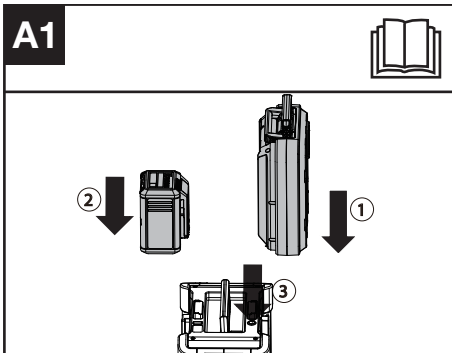
Insert the CyberCapsule battery firstly.

#### Method 1:

Insert the Kress 60V battery and then press the on/off switch, the charging will start. (See Fig. A1)

#### Method 2:

Press the on/off switch, the power indicator light stays green and the CyberLite charger enters standby mode. Insert the Kress 60V battery and then the charging will start. (See Fig. A2)

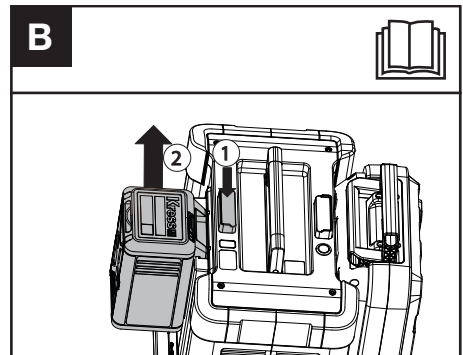


### STANDBY MODE

1) After removing Kress 60V battery, the charging process will be terminated, and the CyberLite charger will enter standby mode. During standby mode, the power indicator light remains steadily on, while the charge indicator light is not illuminated. (See Fig. B)

**NOTE:** If the Kress 60V battery is inserted within 5 minutes, the standby mode is deactivated and the charging will start. If not, the CyberLite charger automatically turns off.

2) When the Kress 60V battery is fully charged, the CyberLite charger will enter standby mode. If there is no further action, the CyberLite charger will automatically turn off 4 hours later.



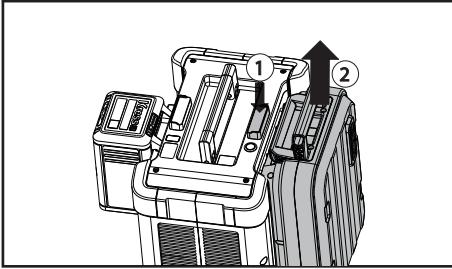
### POWER OFF

#### Method 1:

Press and hold the on/off switch for 2 seconds, the CyberLite charger will power off.

#### Method 2:

Press the battery pack release button and remove the CyberCapsule battery, the CyberLite charger will turn off automatically. (See Fig. C)

**C**

## CHARGING INDICATOR

This charger is a "smart charger" that is designed to provide you information on the status of your battery charge. Indicator lights in the table below will show the charging status.

If you receive a defective charge indicator light (red on), insert a new battery to determine if the charger is OK. If the new battery charges correctly, then the original battery is defective and should be returned to an authorized Kress Dealer. If the new battery displays the same problem as the original battery, have the charger tested at an authorized service center.

**NOTE:** The charge indicator light only indicates the status of the Kress 60V battery and not that of the CyberCapsule battery.

### Charge indicator light

Remarks	ON / flash	Status
 Green flash	-----	Charging
 Green on	————	Fully charged
 Red on	————	Defective Battery
 Red flash	-----	Battery Temperature Protection

## Power indicator light

Remarks	Status
Green on	Charging / standby mode
The power indicator light flashes green twice, then flashes red once.	Defective CyberCapsule battery
The power indicator light flashes green three times, and then flashes red once.	Battery cooling fan defective
The power indicator light flashes green four times, then flashes red once.	Charger cooling fan defective
The power indicator light flashes yellow.	Defective on/off switch

## BATTERY TEMPERATURE PROTECTION

This charger has a battery temperature protection feature. When the charger detects a battery pack that is too hot (the light will flash red), its internal fan will rapidly cool the battery to the correct temperature. When the charger detects a battery pack that is too cold (the light will flash red), it automatically activates the protection circuit, and suspends charging until the battery pack has reached the correct temperature. The charging process will then automatically begin (the light will flash green). This feature ensures maximum battery life.

### IMPORTANT CHARGING NOTES:

- When charging, it is normal that the charger and battery pack may become warm to touch.
- If the battery pack does not charge properly:
  - Check if the CyberCapsule battery or the charger are damaged
  - Move the charger and battery pack to a location where the surrounding air temperature is approximately 18 °C ~ 25 °C (65 °F ~ 77 °F).
  - If the charging problem persists, take the tool, battery pack and charger to an authorized service center.
  - Under certain conditions, when the charger has a CyberCapsule fitted, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as metallic particles should be kept away from charger cavities. Always remove the CyberCapsule and batteries before attempting to clean.

## PROBLEM SOLUTION

### 1.1 CANNOT FIT THE BATTERY INTO THE CHARGER. WHY?

- Check if the charger and the battery pack are specifically designed for working together.
- The battery can be inserted into the charger only

in one direction. Turn the battery around until it can be inserted into the slot, the charge indicator light should be green and flash when the battery is charging.

## 2. REASONS FOR DIFFERENT CHARGING TIMES

The charging time can be affected by many reasons which are not defects in your product.

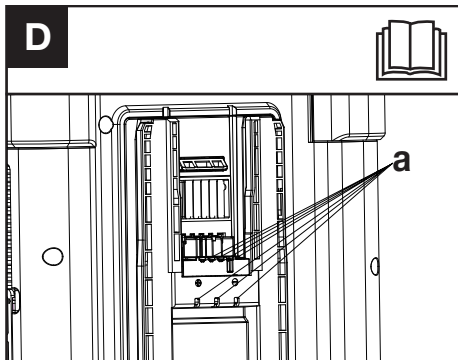
- If the battery pack is only partly discharged it may be re-charged in less than rated charging time.
- If the battery pack and ambient temperature are very cold / hot, it may take longer to re-charge. Please find an appropriate environment with proper air temperature to start charging.
- Batteries of higher Amp Hour rating require more charging time.

## MAINTENANCE

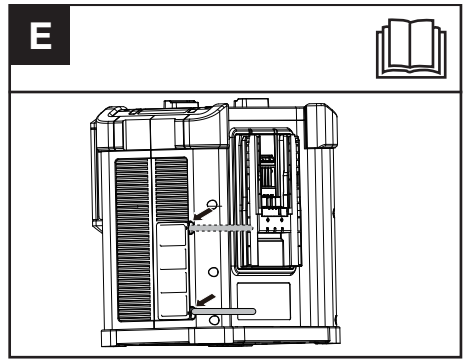
- Use a rain cover to cover the CyberLite charger in rainy days.

**CAUTION:** Do not operate or store the CyberLite charger in rain or wet condition to avoid electrodes corrosion and shortening the life. Charge the CyberPack batteries and Kress 60 V batteries after the electrodes are completely dry in case they are wet. Replace the electrodes if obvious verdigris appears.

- Remove both the Kress 60V battery and the CyberCapsule battery before carrying out any adjustment, servicing or maintenance. If there is dust in the drain (a), rinse it with clean water. Wipe clean with a dry cloth. Always locate your battery, charger and power tool in a dry place. (See Fig. D)





- If there is dust on the air enlate, please use a tool to lift one side of the air enlate, remove the air enlate, and rinse with clean water. (See Fig. E)



## TROUBLE SHOOTING

Problems	Causes	Solutions
The CyberLite charger automatically shuts down.	The CyberCapsule battery is too cold or too hot.	Allow the CyberCapsule battery to reach normal temperature and charging.
	The CyberCapsule battery is out of power or defective.	Replace with a new CyberCapsule battery.
The Kress 60V battery cannot be charged.	The CyberLite charger is defective.	Please return to an authorized Kress Dealer.
	The CyberCapsule battery is defective.	Replace with a new CyberCapsule battery.
	Check if the power indicator light flashes yellow.	Please return to an authorized Kress Dealer.
	Communication abnormality	Wipe the liquid away or remove foreign objects from the charging port. If the problem cannot be solved, Please return to an authorized Kress Dealer.

## TECHNICAL DATA

Input voltage	60 V  30 A
Output voltage	60 V  30 A
Degree of protection	IPX5

Charging time (approx.) (CyberLite charger+CyberCapsule battery)	
4.0 Ah CyberPack	12 min
4.0 Ah CyberPack Nano	30 min
5.0 Ah CyberPack	12 min
Protection class	□/II
Machine weight	11.8 kg

Charging time varies with different temperature. For the technical data of the types and the rated capacity of the batteries that can be charged, please refer the nameplate of the battery pack supplied by Kress.

**Technical data for battery pack (optional)**

Frequency bands for Bluetooth, MHz	2400-2483.5 MHz
Maximum Output Power for Bluetooth, dBm	8 dBm

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