

Kress

Commercial



SAFETY AND OPERATING MANUAL

Dual Port Battery Charger

KAC840

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INTRODUCTION

Dear Customer,

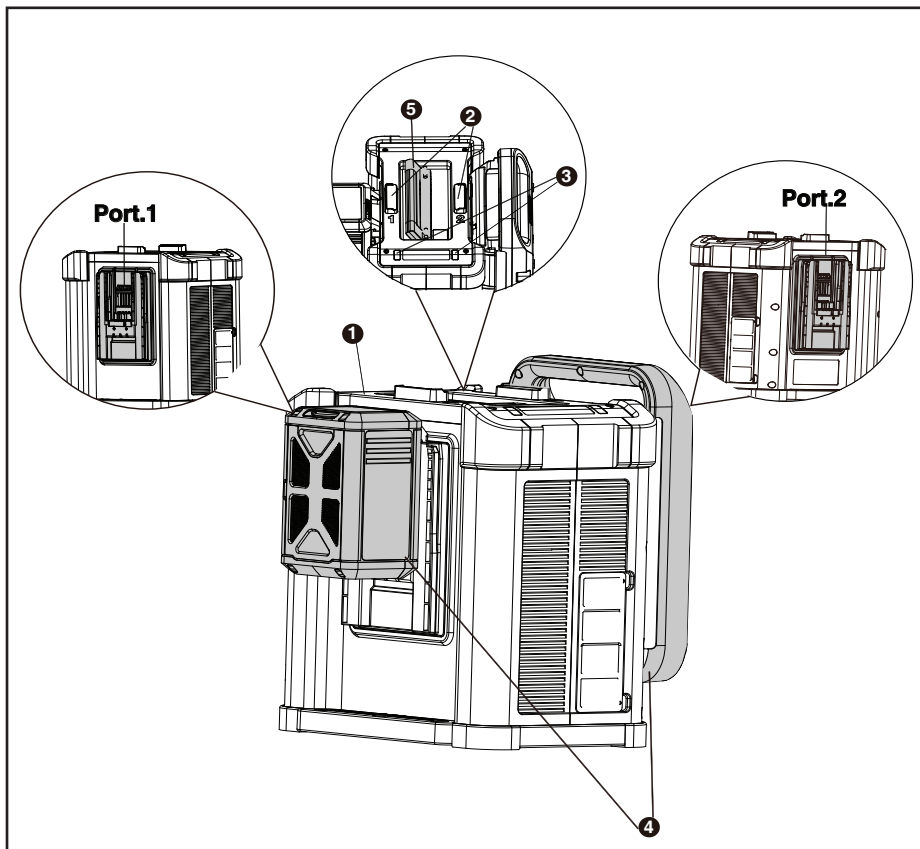
Thank you for buying this Kress Commercial product. We are dedicated to developing high quality products to meet your commercial landscaping requirements.

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 machine is intended for charging only Kress batteries for the Kress 60V products.



COMPONENT LIST


1. CHARGER
2. BATTERY PACK RELEASE BUTTON
3. CHARGE INDICATOR LIGHT
4. BATTERY PACKS*
5. CARRY HANDLE

*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 is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.








If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR BATTERY CHARGER

1. Before charging, read the instructions.
2. For charge Li-ion battery pack only.
3. Do not charge a leaking battery.
4. Do not use chargers for works other than those for which they are designed.
5. Before charging, ensure your charger is matching the local AC supply.
6. The charging device must be protected from moisture.
7. Do not use the charging device outdoors.
8. Do not short out the contacts of battery or charger.
9. Respect the polarity "+/-" when charging.
10. Do not open the unit and keep it out of the reach of children.
11. Do not charge the batteries of other manufactures or ill-suited models .
12. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
13. Keep battery charger's slots free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
14. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left


- unsupervised during charging.
15. Do not recharge non-rechargeable batteries, as they can overheat and break.
16. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18 °C and 24 °C. Do not charge the battery pack in air temperatures below 0 °C, or above 40 °C. This is important as it can prevent serious damage to the battery pack.
17. Charge only battery pack of the same model provided by Kress and of models recommended by Kress.
18. Do not expose the appliance or battery to excessive temperatures.
19. Rechargeable batteries are to be removed from the appliance before being charge.
20. Different types of batteries or new and used batteries are not to be mixed.
21. Exhausted batteries are to be removed from the appliance and safely disposed of.
22. If the appliance is to be stored unused for a long period, the batteries should be removed.
23. Do not use non-rechargeable batteries in place of rechargeable batteries.
24. Do not use modified or damaged batteries.


SYMBOLS

	Read the operator's manual.
	Warning
	Double insulation
T 20A 	Fuse
	Positive terminal
	Negative terminal
	RCM marking

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** -Considering the current capacity, please use the dedicated line to avoid overload of power supply.

CHARGING INSTRUCTIONS

1. Charging your battery pack

This charger is designed for battery pack charging.

 **WARNING:** The charger and battery pack 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.

2. Before using your cordless tool

Your battery pack is partly charged and needs to be fully charged before first use.

3. How to charge your battery procedure






- 1) Plug the charger into an appropriate outlet.
- 2) When inserting the one battery pack into the charging port, the indicator light flashes green. This indicates the battery is charging. When charging two batteries this KAC840 charges the batteries in sequence.

NOTE: Port 1 is available for Robotic charging.

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 pack is defective and should be returned to an authorize Kress Dealer. If the new battery pack displays the same problem as the original Battery Pack, have the charger tested at an authorized service center.

Light	ON/ flash	Status
 Yellow on	—————	Ready for charging
 Green flash	- - - - -	Charging
 Green on	—————	Fully charged
 Red on	—————	Defective Battery
 Red flash	- - - - -	Battery Temperature Protection

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.

LEAVING THE BATTERY PACK IN THE CHARGER

If a fully charged battery pack is left in the charger, the battery pack will enter a sleep low power mode.

IMPORTANT CHARGING NOTES:

1. For long-term storage, please keep the battery pack at 40% ~ 60% state of charge. It is suggested to check the battery power level regularly. During long term storage, battery should be charged and discharged every 3 months.
2. Never freeze your charger or immerse charger in water or any other liquid.
3. When the battery pack fails to produce sufficient power on jobs that were previously done easily, please recharge your battery, do not continue to use under this condition.
 You may charge a partially used pack whenever you desire with no adverse affect on the battery pack.
4. When charging, it is normal that the charger and battery pack may become warm to touch.
5. If the battery pack does not charge properly:

- Check current at power outlet by plugging in another appliance.
- Plug and unplug to check whether the charger is ok
- Check if the 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 to 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 is plugged into the power supply, 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 unplug the charger from the power supply when there is no battery pack in the charger or before attempting to clean.

CAUTION: Do not operate or store the charger in rain or wet condition to avoid electrodes corrosion and shortening the life. Charge battery packs after the electrodes are completely dry in case they are wet. Replace the electrodes if obvious verdigris appears.

PROBLEM SOLUTION

1.1 I CANNOT FIT THE BATTERY INTO THE BATTERY 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 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.

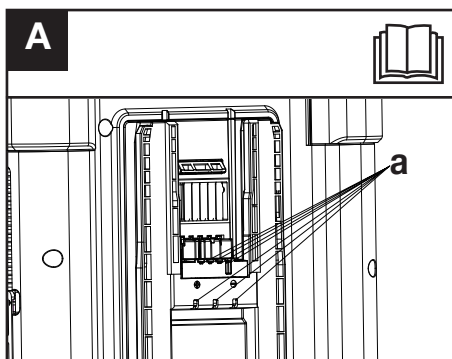
MAINTENANCE

- Remove the plug from the socket before carrying out any adjustment, servicing or maintenance. Your battery or charger requires no additional maintenance.

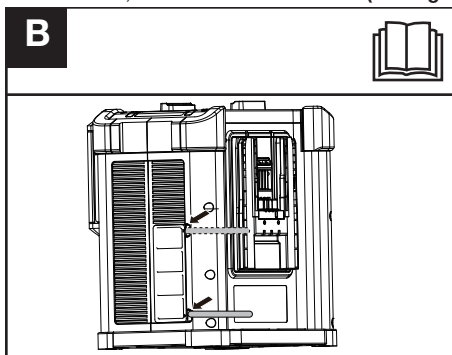
If there is dust in the drain(a), rinse it with clean water. Wipe clean with a dry cloth. Always locate

your battery, charger and power tool in a dry place. **(See Fig. A)**

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.




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



TROUBLE SHOOTING

Problems	Causes	Solutions
The charger doesn't work All LED lights go out	Defective charger.	Please take back to an authorized Kress Dealer. Please replace it with the new one.
The charger doesn't work and LED light flashes red.	Battery pack is too cold or too hot.	Allow the battery pack to reach normal temperature and charging. Kress 60V Battery: 2 °C~48 °C (36 °F~118 °F) Cyberpack: -8 °C~53 °C (18 °F~127 °F)
The charger doesn't work and red LED light is on.	Battery pack is broken or connection error.	Please return to an authorized Kress Dealer. Please replace it with the new one.

TECHNICAL DATA

Rated Input voltage		220-240 V/50~60 Hz
Output voltage		60 V d.c
Charging current		30 A
Rated Input power		1800 W
Charge battery		Li-Ion
Degree of protection		IPX5
Charging time (approx.) (Cyberpack)	4.0 Ah (1pc)	12 mins
	4.0 Ah (2pcs)	24 mins
	11.0Ah (1pc)	25 mins
	11.0 Ah (2pcs)	50 mins
Protection class		 /II
Machine weight		11.8 kg

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

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