

Additional safety/information on the rechargeable battery

To ensure maximum battery life and best battery performance, always charge the battery when the temperature is between 65-75°F (18-24°C). Do not charge or store your battery in temperatures below 0°C and above 40°C. Failure to observe this safety rule may cause serious damage to the battery pack.

Do not discard the battery in a fire. The battery pack can explode.

If battery fluid leaks and comes in contact with skin, wash the affected area immediately with soap and water. The fluid can be neutralized by using a mild acidic substance, such as lemon juice or vinegar. In the event of contact with the eyes, rinse with clean water for at least 10 minutes and immediately seek medical advice. Inform medical personnel that this fluid is a 25-35% potassium hydroxide solution.

Do not attempt to open the battery pack. If the plastic housing around the battery pack breaks or exhibits any cracks, stop using the battery pack immediately and do not charge it again. Dispose of the damaged battery pack as hazardous waste as per the applicable regulations.

Do not keep a spare battery in your pocket or store it in a toolbox. Make sure that the poles do not come into contact with any metal objects during transport. Such objects can short circuit and damage the battery pack, as well as result in burns or a fire. When storing or disposing of the battery pack tape over the contacts using thick insulating tape to prevent it from short-circuiting. Batteries that are stored for a prolonged period become discharged. Do not store or use the tool and the battery pack in areas where the temperature reaches, or exceeds, 104°F. Do not subject the battery pack to any mechanical loads / processes.

Keep the battery away from open flames, ovens or other high temperature areas. Do not expose the battery to direct sunlight and do not use or leave it in a vehicle during hot weather. This can result in the development of heat or the battery exploding or igniting. Such use of the battery can also lead to reduced performance and a shorter service life.

If you intend to store a battery for an extended period without use, store the battery at room temperature (60°F to 80°F), charged to about 30 – 50% of capacity. In case of extended periods of storage, charge the battery once a year to avoid deep discharge. After charging the battery pack allow it to cool down. Do not leave it in warm areas or in direct sunlight.

Charge the battery with the supplied charger only; use the battery only with TapeTech EHKAC-18V Hot Knife or other approved TapeTech cordless tools.

Disposal of the Li-Ion battery

Do not dispose of battery packs/batteries as household waste, and do not throw onto fires or into water. Battery packs/batteries should be collected, recycled or disposed of in an environmental-friendly manner.

Symbols in the text

1. Conforms to relevant safety standards.
2. A product or battery bearing this symbol should not be disposed of along with household waste. Chemicals contained in electrical/ electronic devices or batteries can be hazardous to health and the environment.
3. Dispose of electrical / electronic equipment or batteries at separate collection points which have the facilities to recycle and reuse the specific material. Your cooperation is critical to the success of such facilities and environmental protection.
4. For indoor use only.
5. Do not dispose of batteries in rivers or lakes or immerse them in water.
6. Do not dispose of batteries in fire. They will explode and cause injury.
7. Do not expose the battery to heat in excess of 104°F (40°C).
8. Dispose of deep discharge batteries.



Warranty

Warranty conditions:

TapeTech warrants that this tool is free from material and manufacturing defects for a period of 12 months from the date of purchase/date of invoice for commercial customers. Wear parts are excluded from this warranty.

Claims:

To file a warranty claim, please contact TapeTech Tools by telephone at 1-844-TT-TOOLS or by email at tapetechcustomerservice@tapetech.com. Please have the complete tool, including all accessories, and your invoice available.

Your rights under our warranty or guarantee:

Claims can only be accepted for material defects or manufacturing errors, and only assuming the tool was used as intended. Wear parts are not covered by such claims. All claims shall become void in the event of installation of third-party components, improper handling, and storage, as well as in the event of obvious disregard of the operating instructions.

Repairs:

All repairs must be completed by authorized technicians or service centers.

TapeTech
PROFESSIONAL FINISHING TOOLS

EHKAC-18V

Cordless Air-Cooled Hot Knife

Operation Manual



1-844-TT-TOOLS
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Please read these instructions carefully before operation. Take special note of safety prompts in these instructions to avoid injury to yourself or others, or tool damage.

EHKAC-18V Cordless Air-Cooled Hot Knife

1. Do not allow children under 14 years of age to use this tool. Do not allow persons without the mental capacity to understand the safety and operation instructions to operate this tool without qualified supervision.
2. Do not allow children to play with this tool.
3. Do not allow children to clean or maintain this tool without proper supervision.

Safety instructions

The device uses a voltage range that can pose a hazard for humans and animals. The tools should only be opened or disassembled by qualified personnel. Similarly, maintenance and repairs should only be performed by authorized service and repair technicians. The owner or operator of this tool operates the device on their own liability and at their risk.

Basic Kit Contents

(1) Battery-powered Hot Knife, (1) rechargeable 18V Lithium Ion battery, (1) 4" cutting blade, (1) rapid battery charger, (1) Allen Key for blade installation, (1) cleaning brush and (1) storage & carrying case.

Technical data: 18V Hot Knife

Voltage:	18V
Operation:	Continuous operation
Weight:	1.75 lbs. (incl. battery & blade)
Max. temperature:	752°F

Technical data: 18V Li-Ion rechargeable battery

Voltage:	18 V
Weight:	0.75 pounds (battery only)

Technical data: Rapid charger

Input voltage:	100-240V AC
Output voltage:	21V DC/2.3 A
Optimum charging temp:	65° - 75°F
Charging time:	Max. 60 minutes
Weight:	0.75 pounds

Introduction

Note:

Before operating the machine for the first time, please read this instruction manual carefully. Pay special attention to safety at work to avoid injuring yourself or other people or causing damage to objects. Please follow the instructions in this guide to avoid damage to the tool.

The EHKAC-18V Air-Cooled Hot Knife is a professional, 18V battery-operated hot cutting tool for foamed plastics. The powerful Li-Ion rechargeable battery and rapid charger support foam cutting work without access to main power and without interruptions.

Recommended applications

The EHKAC-18V Air-Cooled Hot Knife is ideal for cutting Expanded Polystyrene (EPS), Extruded Polystyrene (XPS), Polyethylene, Cross-Linked Polyethylene, Polypropylenes, and many other foamed plastics and materials.

Before use, check the manufacturer's MSDS sheet for the material you intend to cut to avoid endangering your health.

Caution: Operate this tool with proper ventilation. Avoid vapors by using the correct cutting technique and blade temperature. Do not inhale vapors while cutting.

Inserting a blade

Safety instructions: Always remove the battery from the tool prior to inserting or changing the blade or accessories like sleds or adapters to prevent unintentional actuation of the trigger. After using the device, allow sufficient time for the blade and blade holder to cool down to avoid burns when handling the blade.

Warning: The hot knife blades have one sharpened edge for clean cuts. ALWAYS CUT WITH THE SHARP EDGE AS THE LEADING EDGE OF THE BLADE!

Blade

1. Release the screws on the blade holder using the Allen key provided.
2. Push the blade under the pressure plate up to the stop.
3. Carefully tighten the screws to ensure optimum electrical contact.

4. Once the blade is fastened, insert the supplied 18V li-ion battery into the device.

Warning:

Excessive power and heat development can overheat the blade holder, causing a failure of the device. Only use as much power as needed to perform the cut. The blade does not need to be red hot to cut through the material.

Initial operation

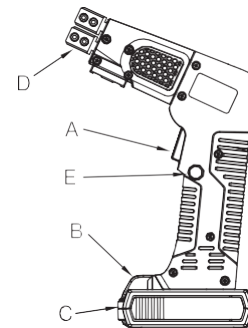
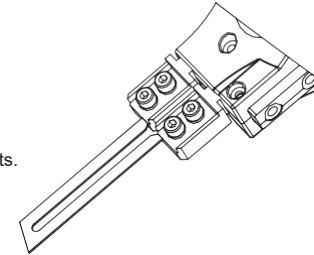
- A. Trigger
- B. Battery Lock
- C. Battery
- D. Blade Holder
- E. Safety Button

Note:

For best possible results, perform a couple of trial cuts in remnants of the material you will be cutting.

If smoke develops during cutting, the cut is either being performed too slowly, or the blade temperature is too hot. This can lead to uneven and wide cuts. To avoid this, reduce the temperature of the blade and intermittently release the trigger during the cut.

If the resistance increases during cutting, press the trigger again. This approach will extend the service life of the knife. The tool reaches the preset temperature in just a few seconds. Releasing the trigger about an 1/2" to 3/4" inches before the end of the cut helps to prevent cooling material from sticking to the blade. The selected blade should not be longer than 3/4" longer than the thickness of the material. The exposed blade can overheat and cause the blade to warp.



Warnings:

1. Before starting the tool, read the material manufacturer's warnings concerning the flammability and toxicity of the material you will be cutting.

2. Only work outdoors or in well-ventilated rooms. Use an air-extractor unit if possible.

3. Never burn off excess residue on the blade! The blade and the device can overheat, and the blade can warp. Use the brush provided for cleaning.

4. Only operate the EHKAC-18V Hot Knife while it has direct contact with the material to be cut.

5. Keep the hot blade well away from your skin, clothes and other flammable materials to avoid burns and accidents.

6. Allow the blade to cool down sufficiently before you touch it. A hot blade can cause injuries or burns.

Conditions for use/Operating hours

The tool is air-cooled and designed for continuous operation under normal, jobsite conditions and use.

Warnings:

The device is not designed for permanent operation! Never tape or tie down the trigger permanently with adhesive tape or similar! Failure to observe this warning can cause permanent damage to the electronics and voids the tool warranty.

Maintenance and care

Regular use of the Hot Knife 18V will cause residual material to stick to the blade and the blade holder. These residues can cause imprecise cutting and impair electrical conductivity and the performance of the blade. Clean the brush while it is still warm using the brass brush provided. Do not use cleaning tools or agents.

Cleaning

Avoid using solvents when cleaning plastic parts. Most plastic parts are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, etc.

Warning:

Do not press the trigger while the blade is in contact with the brass brush - this can lead to a short-circuit and failure of the device.

Charging the battery with the charger/power supply

It is not necessary to discharge the battery pack completely before recharging. The lithium-ion battery can be charged at any time and will not develop a "memory effect" if it is recharged after a partial discharge. The only time it is necessary to charge the Lithium-Ion battery pack is when the pack has reached the end of its charge.

To charge the battery, remove the battery pack from the tool. Slide the battery pack on to the dedicated slot on the top of the charger. Connect the charger to a properly rated power source.

1. When the battery is empty, the LED status on the charger shows: RED

2. When the battery is fully charged, the LED status on the charger shows: GREEN

3. An empty battery typically needs approx. 60 minutes for a 100% charge.

Warning:

DO NOT USE THE CHARGER IN WET ENVIRONMENTS. Protect against moisture.