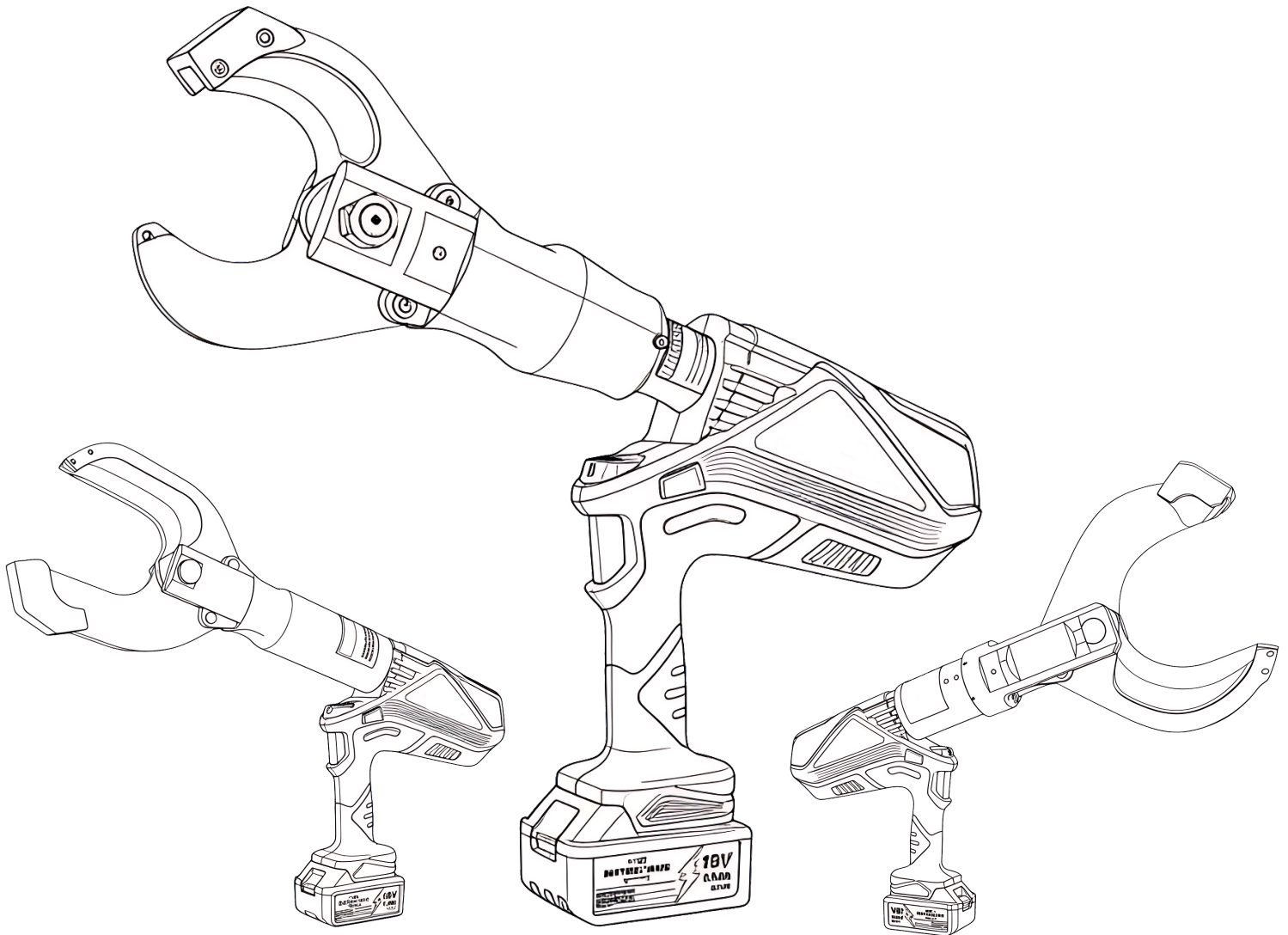


Instruction Manual

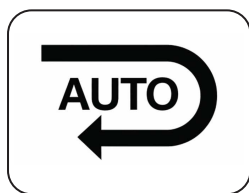
Battery Cutting Tools



BM Series

For your safety, please read and understand this instruction carefully before you use it. Please keep this instruction in good order. Please give the instruction to the new user when the product is changed.

Tool Functions



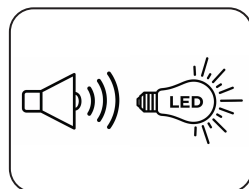
Automatic Reset: This hydraulic tool is equipped with an automatic reset system that resets the piston once it reaches the maximum output force.



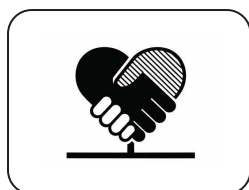
Manual Reset (MAN): A manual reset feature allows users to reset the piston manually in case of operational errors.



Head Rotation: The cutting head can rotate up to 350°, allowing for greater flexibility in angled or hard-to-reach working environments.



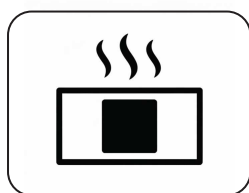
Error Indication: If an error occurs, an audible alarm will sound and the indicator light will turn on.



Single-Button Control: The single-button design makes operation more convenient and user-friendly compared to dual-button tools.



Lithium-Ion Battery: The lithium-ion battery features no memory effect and no self-discharge. It also offers 50% higher power capacity than nickel-metal hydride batteries and can be recharged quickly.



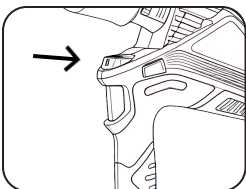
Temperature Protection: If the tool's operating temperature exceeds 60°C during extended use, it will automatically shut down and emit an error sound. The tool will resume operation once the temperature returns to a safe level.

Pre-Operation Check

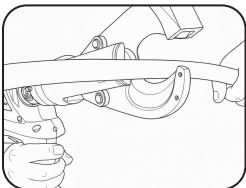
Before operation, ensure the tool is in good condition with no visible damage. Insert the battery into the charger and connect the plug to the power socket. Make sure the ambient temperature is between 10°C and 40°C. The charging time is approximately 1.5 hours.

Hardware Function	Red LED	White LED	Buzzer
Insert the battery	Stays on for 1s, flashes for 2s, then turns off	×	×
Pull the trigger (motor works)	×	On	×
Release the trigger (motor stops)	×	Stays on for 20s, then turns off	×
Pull the trigger again within 20s	×	On	×
Low battery (motor doesn't work)	Flashes 3 times	×	Buzzes 3 times simultaneously
Low battery (motor still works)	Stays on for 3s	×	Constant buzzing (3 times)

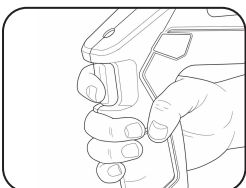
Work Usage



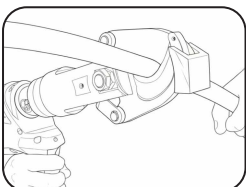
Check the LED Indicator: If the LED stays on for more than 5 seconds, it means the battery is low. Replace it with a fully charged one before continuing.



Insert the Die: Attach the fixing clip and insert the die into the "C"-shaped cutting head. Place the material to be crimped correctly between the dies.



Perform the cutting Operation: Pull the trigger to start cutting. The two dies will move together to compress the material. Once the cutting force is fully applied or the maximum force is reached, the piston will automatically reset.



Remove the Material: After the reset, release the trigger, open the tool head, and remove the cut material. The tool is now ready for the next operation.

⚠ Caution ⚠

Do not operate the tool without the die installed. Pulling the trigger without the die may stop the cutting process or cause damage.

Work Area Safety

- Keep the workspace clean and bright. A tidy, well-lit area helps prevent accidents.
- Avoid live conductors. These tools are not insulated and must not be used on live electrical parts.
- Stay away from heat and corrosive materials. Keep tools clear of high temperatures and chemicals that could damage seals or components.
- Maintain focus. Avoid distractions while operating hydraulic tools.
- Restrict access. Keep children and bystanders away from the work area at all times.

Personal Safety

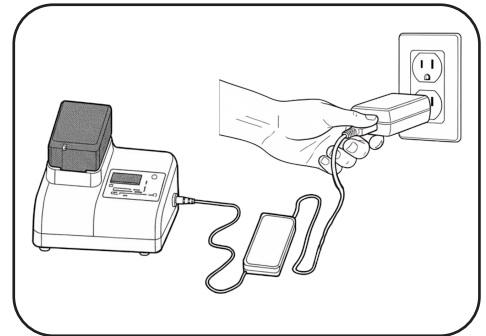
- Stay alert and focused. Do not operate tools when tired, sick, under medication, or after drinking alcohol.
- Wear proper protective gear such as gloves, helmets, safety glasses, and insulated shoes.
- Avoid loose clothing and accessories. Keep long hair, jewelry, and sleeves away from moving parts.
- Inspect before use. Check for loose parts, misalignment, or damage. Repair before operating.
- Use as intended. Operate the tool only within its designed power range and function.
- Keep hands clear. Avoid placing fingers near the cutting head or moving components.

Electrical Safety

- Use proper connections. Ensure the plug fits securely and do not modify it.
- Keep dry. Avoid using or charging in rain or damp environments to prevent electric shock.
- Handle cords carefully. Do not pull or twist the power cable; replace if damaged.
- Do not self-repair. If the charger or tool is damaged, send it to an authorized service center.
- Charge safely. Operate and charge within 10°C–40°C, with unobstructed ventilation.
- Store properly. Unplug during storms or when not in use, and keep out of children's reach.

Battery Safety Reminder

- A newly purchased battery may have only a partial charge. Before using it for extended periods, fully charge it first.
- When charging, Insert the battery into the charger first, then connect to the power supply.
- Make sure the ambient temperature is between 10°C and 40°C. The charging time is approximately 1.5 hours.



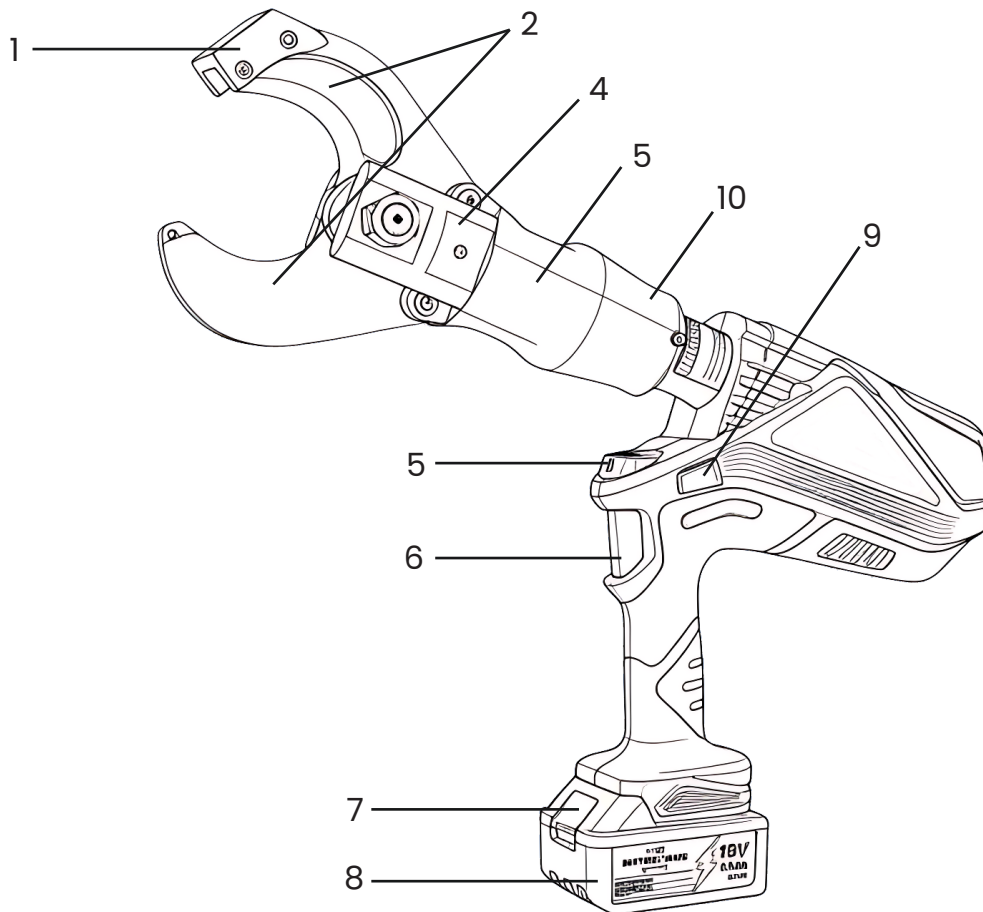
Maintenance and Service

- Use the tool properly. Do not disassemble or repair it unless you are a qualified technician. Unauthorized repair may void service eligibility.
- Keep the tool dry. If exposed to water, remove the battery, dry thoroughly, and reassemble only when fully dry.
- Avoid extreme temperatures to prevent casing deformation, reduced lifespan, or battery damage.
- Do not use chemical cleaners. Wipe with a clean, dry cloth only.
- Replace hydraulic oil annually for longer service life.
- When storing, ensure the piston is in its initial position, apply anti-rust oil, and keep it in a dry box.
- Replace sealing components if oil leakage occurs. Contact an authorized distributor for service.

Please Read the Following Carefully

- The parts list and assembly diagrams in this manual are provided for reference only.
- Although experienced users may be capable of performing certain repairs or part replacements, all repair and maintenance work must be carried out by authorized and licensed technicians.
- The manufacturer and distributor make no guarantees or warranties regarding repairs performed by unauthorized persons.
- All risks and liabilities arising from self-repair or component replacement are fully assumed by the buyer.

Component Overview



No.	Description	Function
1	Guide Block	Prevent over-shearing and subsequent damage during the shearing process.
2	Blade	Cut the copper - aluminum armored cables.
3	Limit to 350°	Limit the position to prevent the pliers head from overhanging.
4	Pliers Head	Shear Head
5	LED Indication	Lighting function
6	Start Switch	Tool operation start switch
7	Battery Lock	Prevent the battery from loosening
8	Battery	Power supply, Rechargeable lithium battery
9	Reset Button	Manual pressure relief in case of operational errors.
10	Handle	Auxiliary operation task

Specification

Model	Power Input	Output	Stroke	Charging Time	Cutting Capacity	Cutting Speed
BM-65C	DC18V 5.0Ah Li-ion Battery	60 KN / 6 Ton	42 mm	2 Hours	≤Ø65 mm Al/Cu Armoured Cables	7s
BM-85C	DC 18V 5.0Ah Li-ion Battery	130 KN / 13 Ton	42 mm	2 Hours	≤Ø85 mm Al/Cu Armoured Cables	7s
BM-105C	DC 18V 5.0Ah Li-ion Battery	200 KN / 20 Ton	62 mm	2 Hours	≤Ø105 mm Al/Cu Armoured Cables 10KV Cables ≤Ø105 mm	7s
BM-120C	DC 18V 5.0Ah Li-ion Battery	200 KN / 20 Ton	62 mm	2 Hours	≤Ø120 mm Al/Cu Armoured Cables 20KV Cables ≤Ø120 mm	7s
BM-135C	DC 18V 5.0Ah Li-ion Battery	220 KN / 22 Ton	68 mm	2 Hours	≤Ø135 mm Al/Cu Armoured Cables 35KV Cables ≤Ø135 mm	7s

**BARTON
TOOLS**