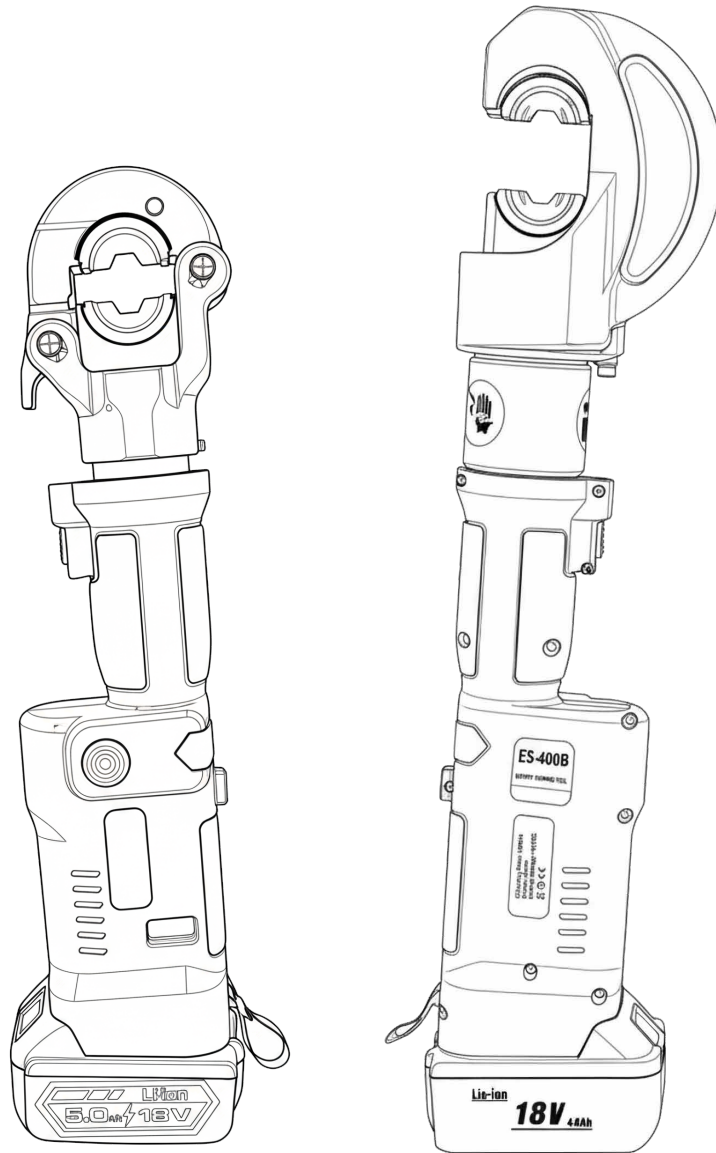


Instruction Manual

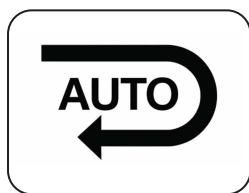
Battery Crimping Tools



PZ 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



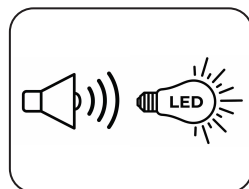
Automatic Reset: This hydraulic tool is equipped with an automatic reset system that resets the piston once it reaches the maximum output force.



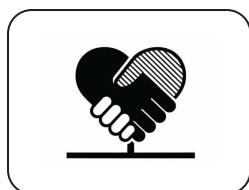
Manual Reset (MAN): A manual reset feature allows users to reset the piston manually in case of operational errors.



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



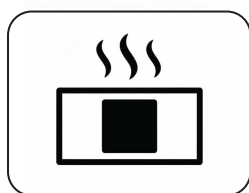
Error Indication: If an error occurs, an audible alarm will sound and the indicator light will turn on.



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.



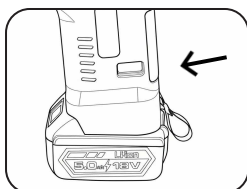
Temperature Protection: If the tool's operating temperature exceeds 60°C during extended use, it will automatically shut down and emit an error sound. The tool will resume operation once the temperature returns to a safe level.

Pre-Operation Check

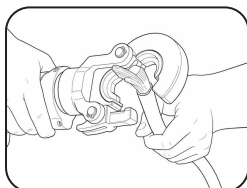
Before operation, ensure the tool is in good condition with no visible damage. Insert the battery into the charger and connect the plug to the power socket. Make sure the ambient temperature is between 10°C and 40°C. The charging time is approximately 1.5 hours.

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)

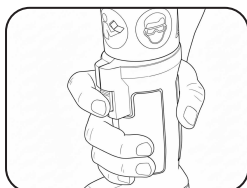
Work Usage



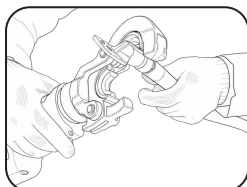
Check the LED Indicator: If the LED stays on for more than 5 seconds, it means the battery is low. Replace it with a fully charged one before continuing.



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



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

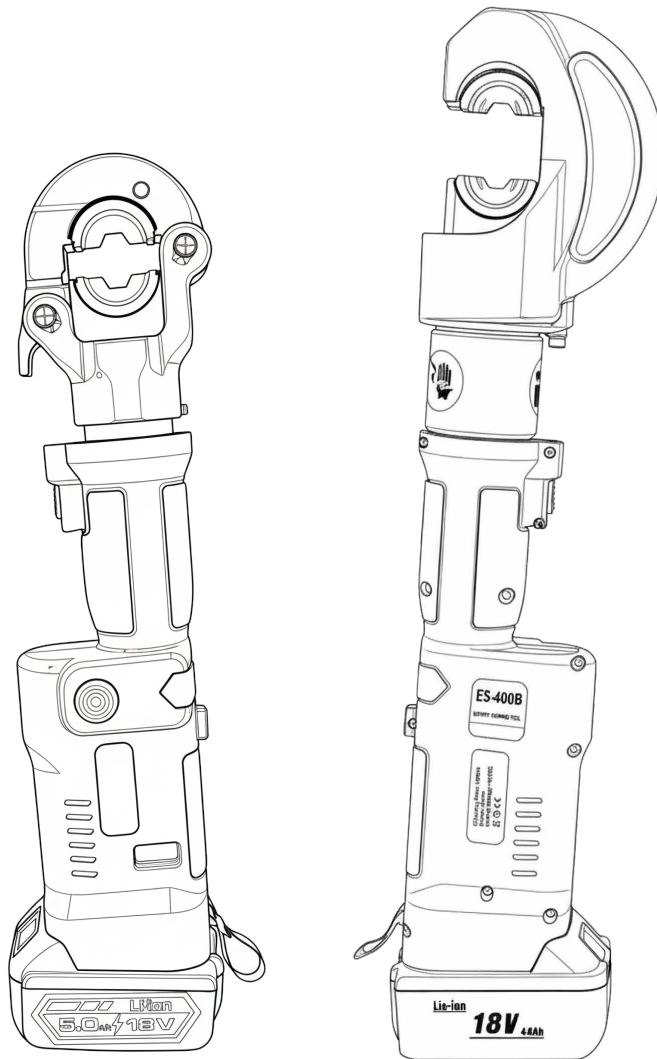


Remove the Material: After the reset, release the trigger, open the tool head, and remove the crimped material. The tool is now ready for the next operation.

⚠ Caution ⚠

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

Specification



	PZ-300	PZ-400
Power Input	DC 18V 5.0Ah Li-ion Battery	DC 18V 5.0Ah Li-ion Battery
Output	60 KN / 6 Ton	120 KN / 12 Ton
Stroke	17 mm	42 mm
Crimping Speed	6s per Crimping	6s per Crimping
Crimping Dies	16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300 mm ²	16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400 mm ²
Charging Time	2 Hours	2 Hours
Crimping Range	16-300 mm ²	16-400 mm ²
Crimping Material	Cu Max. 300mm ² / Al Max. 240mm ²	Cu Max. 400mm ² / Al Max. 300mm ²

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

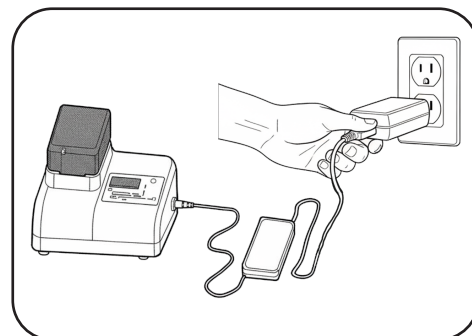
- Stay alert and focused. Do not operate tools when tired, sick, under medication, or after drinking alcohol.
- Wear proper protective gear such as gloves, helmets, safety glasses, and insulated shoes.
- Avoid loose clothing and accessories. Keep long hair, jewelry, and sleeves away from moving parts.
- 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 crimping 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.

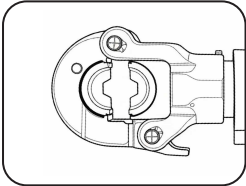
Please Read the Following Carefully

- 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.

Maintenance Knowledge

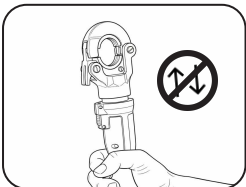
The electric hydraulic crimper requires regular maintenance to ensure optimal performance and longer service life. Clean the tool surface and remove any accumulated dust regularly.

Regular Maintenance Prolongs Service Life



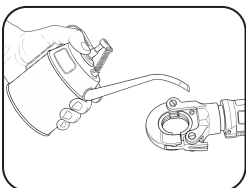
Install the Crimping Die Before Use

Never start crimping without installing the die to prevent damage to the tool head.



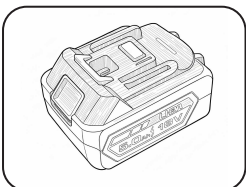
Avoid Unnecessary No-Load Operations

Repeated air-pressure operations without load can affect the intelligent circuit board's calibration and performance.



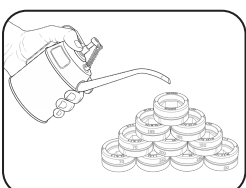
Lubricate Moving Parts Regularly

Apply a small amount of lubricating oil to the die base button switch to maintain smooth operation.



Maintain Battery Condition

Inspect and fully charge the battery every 30 days to prevent long-term undervoltage or battery damage.



Clean and Protect the Crimping Die

Clean the die after use and apply anti-rust oil to prevent corrosion that could hinder crimping performance.

**BARTON
TOOLS**