

HHYD-300 G/H Battery crimping
tool
Manuals



- For your safety, please read manual carefully before using
- Please keep this manual properly. If the user of the product changes, please give this manual to the new user

Thanks for your kind appreciation for choosing our products

Please read this instruction carefully before use, and with full understanding. Please contact the dealer or manufacturer when you encounter difficulties or faults. Do not disassemble the tool by yourself to avoid losing small parts or contaminating the hydraulic system losing its function

Main safety notice



Warning: In order to avoid an accident such as fire,electric shock ect,
All must follow below attentions.

Work place

1. Keep work place clean and bright,disorder and dark will be easy to cause accident.
2. Operate the tool after children and bystander leaving. Distractions can cause you to relax control.
3. This tool is not electrically insulated. Do not use it when the wires or terminals are live .
4. Do not use or store tools in high temperature environment with strong acid, strong alkali or other corrosive liquids, gases. Prevent tools from corrosion and components from aging.
5. Do not charge or use the product in the presence of flammable, explosive liquids, gases and dust

Electric safety

1. The power plug of the charger must match the socket and must not be altered in any way.
2. Do not expose chargers, batteries to rain or damp. otherwise water entering the electrical system will increase the risk of electric shock. Do not abuse the wire, never use the wire to carry, pull or unplug the charger. Damaged or tangled wires increase the risk of electric shock
3. Do not use or disassemble the charger if it is badly hit, dropped, or damaged.Hand it over to a qualified maintenance person. Using a damaged charger may be in danger of electric shock or fire.
4. Do not charge the battery when the temperature is lower than 10 ° C or higher than 40 ° C, and do not cover or block the charger and battery heat dissipation hole during charging
5. Unplug the charging power supply when encountering thunderstorms and lightning
6. Do not short-circuit or burn the battery to avoid explosion

Personal safety

1. Keep alarm when operate.Do not operate this tool with fatigue, drug, alcohol, or treatment. Distraction during the operation may result in serious life injury.
2. Use and wear safety equipment. Wearing safety helmets, non-skid gloves, insulating shoes, goggles, and safety belts (working at height) can reduce personal injury.
3. Do not operate brutally when using. Do not start or stop unconsciously , It may cause the microprocessor and electronic protection system failure or damage
4. Do not put your fingers or any part of your body into the jaw of the working pliers to avoid being clipped 5. Store unused tools out of reach of children and do not allow people who are not familiar with the tools to operate it.

Realize your tool

Thanks for using battery crimping tool HHYD-300. HHYD-300 with High performance lithium battery power, motor driven, microcomputer (MCU) control , Ultra-high pressure hydraulic system and other mechatronic integration technology, with ergonomic design, with beautiful appearance, simple operation, large output force, super safety, high efficiency, is one of the best tools to use in power, lighting and other electric power construction wire and copper/aluminum terminal crimping

Technical parameter

Max output: 60KN

Crimping range: Cu300mm²/Al240mm²

Working stroke: 18mm

Hydraulic oil: 15#low condensation anti-wear hydraulic oil about 160ml

Environment temperature: -10°C~40°C

Battery: DC 18V 4Ah Lion

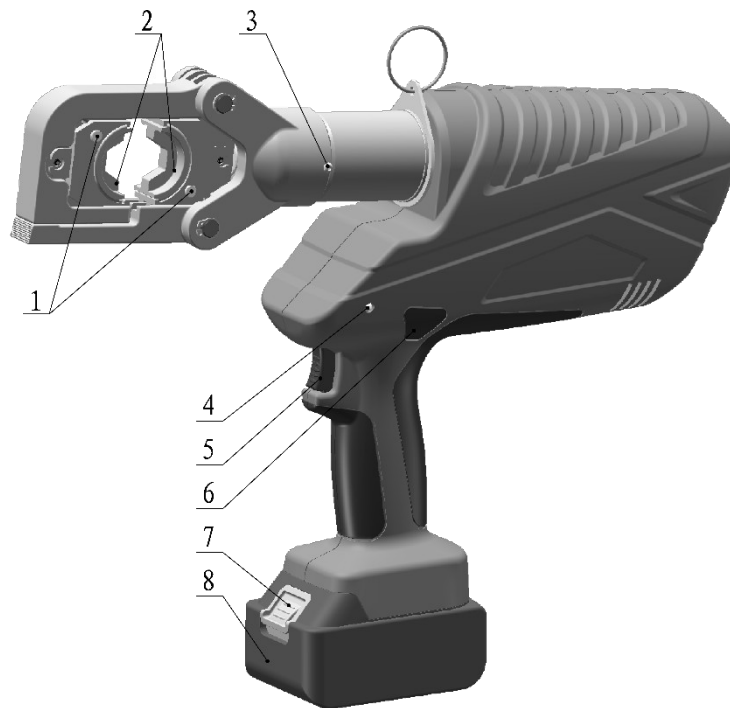
Crimping period: 3~6s/t (depend on the size of lugs)

Crimping times per saturated battery: about 320times (Cu150mm²)

Charge power: AC 100V~240V 50~60Hz

Charge time: about 2hours

Product instruction



No	Name	Function
1	Blinding clip	Lock or take out the crimping dies
2	Crimping dies	Removable crimping dies
3	Stop screw	Prevent the head back out
4	Indicator (LED)	Show work condition / discharge reminder
5	Start button	Start machine and crimping
6	Reset button	Reset piston
7	Battery lock	Lock or take out battery
8	Battery	Chargable lithium ion battery

Function description










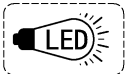

-  Microcomputer control system: automatic pressure monitoring and double safety protection in the process of crimping, automatic reset and stop motor rotation after finishing the crimping.
-  Automatic reset function: automatic pressure relief hydraulic device, when the pressure relay reaches the maximum, the piston (lower die seat) automatically returns to the original position.
-  Manual reset function - in case of error during crimping, the piston (lower die seat) can be returned to its original position by manual reset.
-  Miniature bipolar hydraulic system: the piston (lower die holder) pushes forward rapidly during the process of crimping low pressure, and slowly pushes forward after the die contacts the terminal
-  330° Free rotating clamp head -- suitable for a wide range of Angle applications
-  When the power is switched on, the battery is low and the crimping process is wrong, the microcomputer control system will give out sound and red LED flashing signal (see table1).
-  The overall structure of the tool is compact and ergonomic. The non-slip rubber for the hand-held part and the optimized center of gravity design make the operation easier.
-  High-performance lithium-ion battery provides more powerful power source, no discharge memory, ultra-low power consumption standby design can guarantee up to 6 months, and equipped with over-discharge protection to extend the battery life
-  Temperature sensor: When works for a long time, it will be heat. When the temperature exceeds 60°C, it will stop automatically and a warning will appear to protect the tool from being burned. After the temperature drops, it can continue to work .

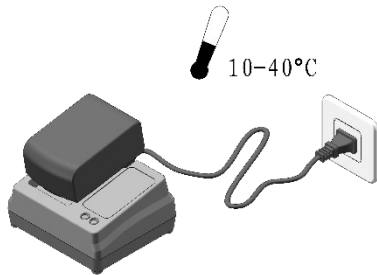
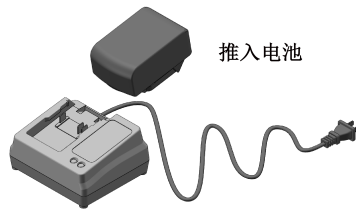
Table 1: Signal indication and meaning

No			Signal	Meaning
1	★ ★	● ●	Self check	self check system normal
2				The system has fault should recheck
3	★ ★ ★	● ● ●	Temperature warning	The temprature is high , cool down
4	★ ★ ★ ★ ★	● ● ● ● ●	Charge reminder	Remind charging
5	★ — 5sec	● — 5sec	Power shortage alarm	Battery run out,charge at one

Usage and precautions

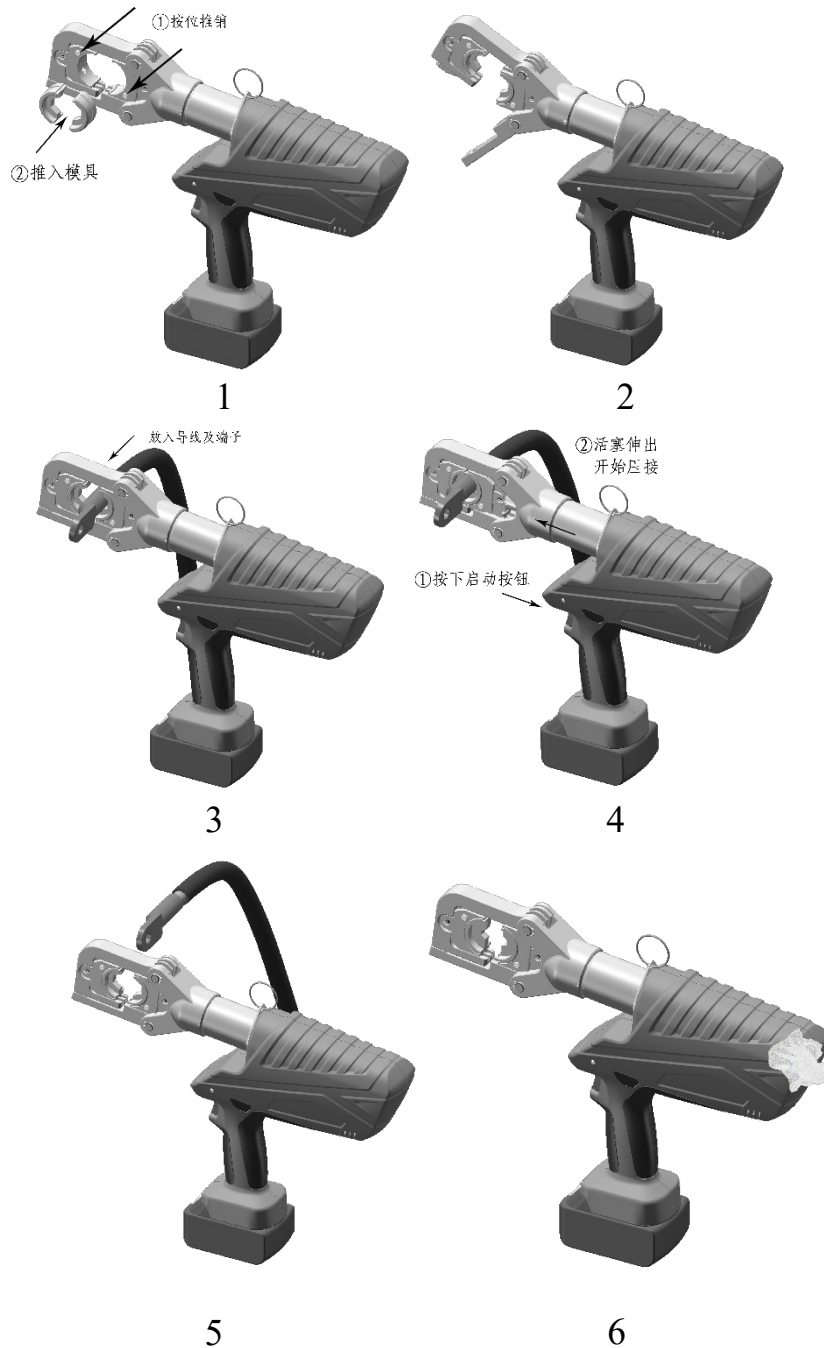
Before using, check carefully whether the charger cover, battery cover, working head and cover are in good condition, and whether the battery connection is reliable to ensure safety.

Charging



Attention:

1. A battery can be charged and discharged hundreds of times, but eventually fails. Replace the battery if the number of times. Please charge the battery in time, do not completely consume the battery, which will lead to permanent failure of the lithium battery
2. When tools are not used for a long time, the battery will generate self-discharge. Take out the battery and charge it fully every quarter
2. Don't connect the two poles with wires, it is easy to cause sparks. Burn or even explode.
3. Do not use damaged batteries or charge as this increases the risk of electric shock.
4. Do not burn batteries under any circumstances, otherwise they may explode
5. When charging the battery, do not use any object to cover the charger, so that the charger can not heat ,otherwise it can be easy to cause a fire
6. Disconnect the charger when not in use. This will reduce the risk of injury to children and untrained person
7. Do not use the charger in wet conditions and do not expose yourself to rain or snow, which can increase the risk of electric shock
8. Do not disassemble batteries and chargers without permission. If any fault occurs during use, please hand it over to professionals or manufacturers for maintenance until the problem is solved



Warning:

1. Do not hammer or knock any part of the tool. Before operation, check whether any damage, aging, missing parts, inaccurate adjustment or parts stuck or any other adverse factors that may endanger safety and normal operation . Ensure that the switch can operate effectively without any stuck phenomenon. If any problems are found, discontinue use immediately until the problem resolved.
2. The limit block and screw on the clamp head are to prevent the clamp head from falling off or popping out. Do not remove it by yourself!
3. Remove any grease and dust, especially from handles and control components, to prevent sliding off during use.
4. Built-in safety valve after strict pressure test before leaving the factory, users must not adjust without authorization! If the pressure is insufficient, please hand the tool to the maintenance personnel and pass the pressure test before using
5. Do not crimp when there is no mold in the jaw of the working pliers. Otherwise,the tools may be damaged and personal injury



Warning: In the process of extending the piston, do not put fingers or any part of human body into the jaw of the working pliers to avoid accidents

Crimping dies

Matched standard crimping die (Hex) (mm²) :

16、25、32、50、70、95、120、150、185、240、300



The corresponding mold specifications are printed on the side of the arc

If there are different specifications of wires and terminals to be crimped, please contact with us ,we can customize different sizes and special shapes of crimping dies for users

Note: Please select proper crimping die according to wire specification and corresponding copper/aluminum terminal. Improper selection of crimping die may lead to loose crimping between wire and copper/aluminum terminals or a large number of flanges.

Maintenance and Service

1. The tool is a product with excellent design and technology, it is not allowed to disassemble internal parts at all, all the failure caused by users' unauthorized disassembly or improper use of the damage, no longer within the scope of warranty service, but for users to make paid repair (only charge parts cost).
2. Keep dry. Rain, moisture, and various liquids or moisture can corrode tool housings, metal surfaces, and electronic routes. If the tool is wet, take out the battery and reinstall the battery after completely dried
3. Do not store in too cold or too hot places. Too much cooling or overheating can deform plastic part. shorten the life of electronics and damage batteries.
4. Do not use strong chemical cleaners or strong detergents to clean
5. To ensure the service life,replace the hydraulic oil in the tool once a year
6. If the tool is not in use for a long time, reset the piston to the bottom, wipe the tool surface, smear rust-proof grease on the metal surface of the crimping die and the tool, take out the battery, and store it in the tool box
7. Sealing components are worn. If hydraulic oil leaks after a period of use, contact the dealer or manufacturer for professional maintenance personnel to replace the sealing components.