

# GAZELLE®

## **G9631**

Battery Powered Hydraulic  
Crimping Tool (6-150mm<sup>2</sup>)  
User Manual



# Contents

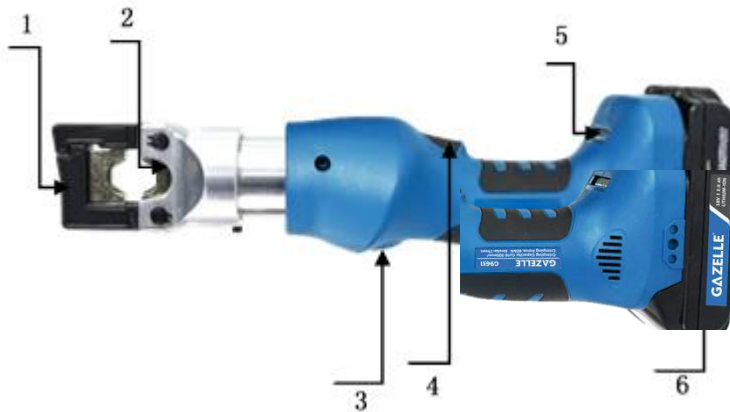
<b>I. Product overview.....</b>	<b>1</b>
1.1 Product introduction.....	1
1.2 Components .....	1
1.3 Function .....	2
1.4 LED fault display .....	2
1.4.1 Low power protection function.....	2
1.4.2 Overcurrent protection function.....	2
1.4.3 Over temperature protection function .....	2
1.4.4 Overvoltage protection function .....	3
<b>II. Technical parameters.....</b>	<b>3</b>
<b>III. Safety precautions.....</b>	<b>3</b>
3.1 Safe operation .....	3
3.2 Electricity safety .....	4
<b>IV. Battery Charger Operation Guide .....</b>	<b>4</b>
4.1 Battery charging instructions .....	5
4.2 Tool operation .....	6
<b>V. Maintenance .....</b>	<b>6</b>
<b>VI. Packing list.....</b>	<b>7</b>

# I. Product overview

## 1.1 Product introduction

Electric series hydraulic tools are powered by high-performance lithium batteries and driven by motors. With single stage hydraulic system, automatic pressure relief function and built-in intelligent computer chip. OLED display is easy to read information, also equipped with 2 LED working lights, make work more convenient. The shell and toolbox are made of environmentally friendly PP plastics, which are formed in one and resistant to pressure and fall. It is your professional tool for Cu cable crimping in electrical construction.

## 1.2 Components



No.	Description	Function
1	Type 7 head	Install the dies
2	Clamp head	Fix the head
3	Reset button	Manual pressure relief to reset the piston when the operation is wrong
4	Start button	Start the tool
5	LED screen	Display power, use times, tool temperature and other information
6	Battery	Power supply, rechargeable lithium battery (DC18V 2.0Ah)

### 1.3 Function

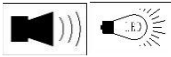


The tool includes an automatic reset device that returns the piston to its original position when it reaches its maximum output force.

Manual reset device can manually reset the piston in case of operation error.



The head can be rotated 360 degrees to adapt to operations under tight angles or difficult conditions.



Alarm sounds and indicator lights when error occurs.



One-button control. With only one button, it's easier to hold than the two-button one.



Lithium battery, it is recommended to charge the battery every two months. Compared with nickel metal hydride battery, its storage capacity is 50% higher, charging faster, charging time is shorter.



The temperature sensor makes the tool automatically stop working when the working temperature reaches 60°C for a long time. An error message is displayed, indicating that the tool cannot continue to work until the temperature drops to normal.



### 1.4 LED fault display

#### 1.4.1 Low power protection function

In working mode or aging mode, when the battery power is detected to be too low, it enters the low power protection state and shuts down the motor to ensure battery safety.

**Display alarm content: [LOW SOC PROT]**

#### 1.4.2 Overcurrent protection function

In working mode or aging mode, when tool overload is detected, it will enter the overcurrent protection state and shut down the motor to ensure the safety of the equipment.

**Display alarm content: [OVER LOAD PROT]**

#### 1.4.3 Over temperature protection function

In working mode or aging mode, when the tool temperature is detected to be too high, the tool

enters the temperature protection state and shuts down the motor to ensure device safety.

**Display alarm content: [OVER TEMP PROT]**

#### 1.4.4 Overvoltage protection function

When the input voltage of the control board exceeds 24V, it will enter the overvoltage protection state, and the motor drive will be shut down to ensure the safety of the device and the control board.

**Display alarm content: [OVER VOLT PROT]**

## II. Technical parameters

Model	ECT-150
Crimping range	Cu10-150 mm <sup>2</sup>
Force	35kN
Stroke	10mm
Crimping time	About 5s
Oil reservoir	50mL
Battery voltage	DC18V lithium battery
Battery capacity	2.0Ah (Larger battery capacity is optional) 0.36kg
Size	345*90*85mm (without battery)
Charging time	About 40 minutes
Weight	1.84kg (without battery)

## III. Safety precautions

### 3.1 Safe operation

3.1.1 Keep the working area clean and bright, chaos or lack of light may cause accidents.

3.1.2 The tool is not insulated. Do not use it for live conductors.

3.1.3 Do not use or store tools around high temperature or corrosive liquids to prevent aging of sealing components.

3.1.4 When operating hydraulic tools, do not point the head to other people, and keep away from children and bystanders. Distraction during work may cause the tools to lose control.

3.1.5 Keep high vigilance when operating tools, fully grasp the situation, and engage in operations

with normal judgment. Do not use tools when you are tired or after taking medication or drinking alcohol. A moment of carelessness can lead to a series of personal injuries.

3.1.6 When using safety equipment, masks, goggles, safety hats and insulating shoes should always be equipped to reduce the risk of personal injury.

3.1.7 Dress appropriately and do not wear loose clothes or jewelry. Keep your hair, coat, and gloves away from the turning part. Loose corners, jewelry, or long hair may twist into the turning part.

3.1.8 Hydraulic tool maintenance. Check the alignment and connection of the rotating parts, whether there is any abnormality in each part and any other situation sufficient to bring bad influence to the work. If there is any damage, it must be repaired before use.



**Please use the tool correctly. Do not place your fingers on the head of the tool to avoid serious splint.**

### **3.2 Electricity safety**

3.2.1 The power plug of the charger must match the socket, and the plug must not be modified in any way.

3.2.2 Chargers, batteries and tools shall not be exposed to rain or wet environment. Water entering the electrical system will increase the risk of electric shock.

3.2.3. Do not abuse the wire. Do not use the wire to carry, pull the charger or pull out its plug. Damaged or tangled wires increase the risk of electric shock.

3.2.4. If the charger is damaged by violent impact or falling on the ground or in any other way, please do not use or disassemble it and hand it over to qualified maintenance personnel for handling. There is a risk of electric shock or fire when using a damaged charger.

3.2.5 Do not charge the battery when the temperature is lower than 10 ° C or higher than 40 ° C. Do not cover or block the heat dissipation hole of the charger or battery during charging.

3.2.6 In case of thunderstorms and lightning, remove the power plug of the charger.

3.2.7 Do not short circuit or burn the battery to avoid explosion.

**Note: Keep tools out of reach of children and others unfamiliar with tools when unused.**

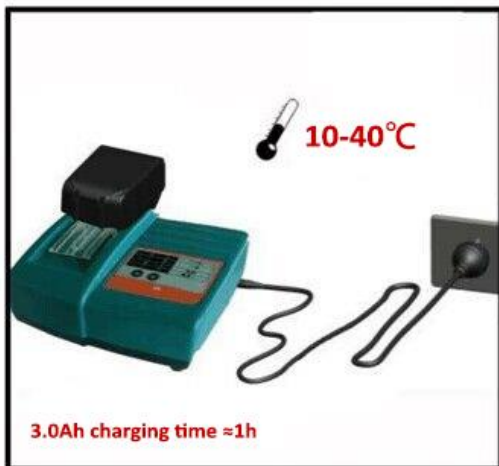
## **IV. Battery Charger Operation Guide**



1.



2.



3.



4.

#### 4.1 Battery charging instructions

##### 4.1.1 Charger

1. Green light flashes -- power-on state
2. Steady red light -- charging state (below 80%)
3. Steady red and green light -- charging state (more than 80%)
4. Steady green light-- 100% full
5. Red lights flashing or both lights flashing at the same time -- the charger or battery is faulty

##### 4.1.2 Attention

1. Batteries can be charged and discharged hundreds of times, but eventually fail. If the tool usage

times are shortened, replace the battery. Charge the battery in time. Do not use up all the battery power. This will cause permanent failure of the lithium battery.

2. When tools are not used for a long time, the battery will self-discharge. You should remove the battery and **keep it fully charged every quarter.**

3. Do not use wires to connect the poles of the battery, which may cause sparks, combustion or even explosion. Do not use damaged batteries or chargers, which increase the risk of electric shock.

4. Burning the battery is not allowed under any circumstances, or it will cause an explosion.

5. When the battery is charging, do not use any object to cover the charger, so that the charger can not dissipate heat, easy to lead to fire.

6. Disconnect the charger when not in use. This will reduce the risk of injury to children and untrained personnel.

7. Do not use the charger in wet conditions or be exposed to rain or snow, which increases the risk of electrocution.

8. Do not disassemble the battery and charger without permission. If any fault occurs during use, please refer to the professional or manufacturer for maintenance until the problem is solved.

## **4.2 Tool operation**

4.2.1 Check whether the LED indicator is on. If the indicator is on for more than 5 seconds, the battery is out of power and should be replaced with a fully charged battery.

4.2.2 Press the clamping pin and put into the corresponding dies.

4.2.3 Place the crimping material into the pliers and install the lock.

4.2.4 Press the start button to start crimping.

4.2.5 The crimping is completed after the die is completely closed or reaches the maximum crimping force.

## **V. Maintenance**

5.1 The tool is precise, please use it correctly. Non-professionals do not disassemble it, we will not be responsible for the damage caused by not following the operation instructions.

5.2 Keep tools dry. Water may corrode surface metal or electrical parts. If comes into contact with water, remove the battery and dry completely before assembling.

5.3 Avoid violent temperature fluctuations. Otherwise, it will cause deformation of the plastic shell, shorten the service life and damage the battery. Please do not use any chemical



cleaning tools.

5.4 To prolong the service life, please replace the hydraulic oil every year.

5.5 If the tool is not used for a long time, please ensure that the piston is in the starting position, clean the tool and apply anti-rust oil. Store in a box in a dry environment.

5.6 The sealing assembly in the tool will be worn after use. If there is a lot of oil leakage, please contact the after-sales service to replace the sealing assembly in time.

## **VI. Packing list**

Main device	1 PCS
Battery	2 PCS
Charger	1 PCS
Dies	9 PCS
Instruction manual	1 PCS
Plastic case	1 PCS

INNOVATION  
PERFORMANCE  
SAFETY  
CONFIDENCE  
GAZELLE

**GAZELLE**

[sales@gazelleindustrial.com](mailto:sales@gazelleindustrial.com) | [www.gazelleindustrial.com](http://www.gazelleindustrial.com)