



OPERATOR MANUAL

Electric Crimper Kit

USS-HC00001

Manual No.9156

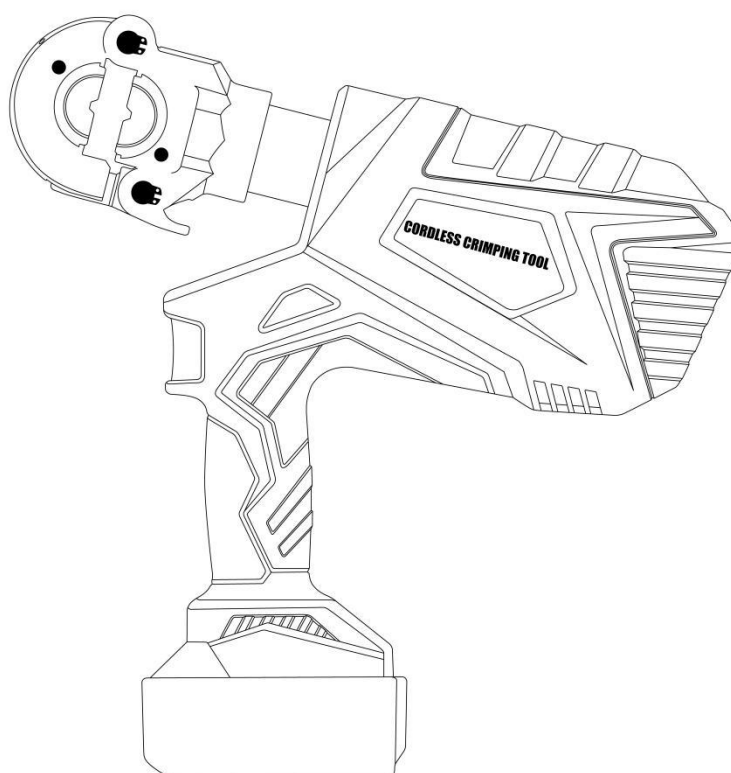


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WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

GENERAL POWER TOOL SAFETY WARNINGS

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result

in serious personal injury.

- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, nonskid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.
- Do not use on a ladder or unstable support. Stable footing on a solid surface enables better control of the power tool in unexpected situations.
- Wear heavy, long pants, long sleeves, boots, and gloves. Do not wear loose fitting clothing, short pants, sandals, or go barefoot. Do not wear jewelry of any kind.

POWER TOOL USE AND CARE

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly

maintained power tools.

- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

BATTERY TOOL USE AND CARE

- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 265°F may cause explosion.
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

SERVICE

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.
- When servicing a power tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of shock or injury.

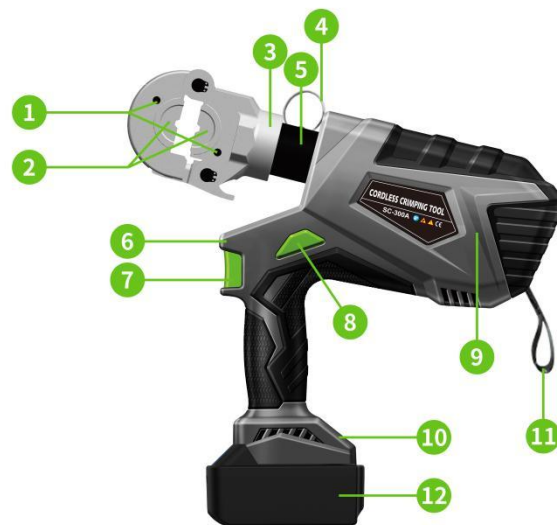
CRIMPER SAFETY WARNING

- The tool should only be used as advised and only by individuals who have been

appropriately trained.

- **CAUTION:** To minimize arc flash risk, electrical shock, and potential damage, it is recommended to operate on deenergized lines whenever feasible. This tool does not come with insulation. If working on energized lines is necessary, ensure all necessary safety measures, including those outlined in NFPA 70E, are implemented beforehand.
- The tool should only be used with crimping dies we provide. If you want to try other brands crimping dies, please consult professionals to ensure a successful operation. Using the incompatible combination can lead to a defective crimp, risking electric shock, fire, explosion, and property damage.
- Do not operate the tool without the dies installed to avoid potential finger injuries.
- Keep your hands clear of the jaws while the tool is in use to prevent injuries.
- Wear protective eyewear with side shields when using or maintaining the tool to reduce injury risk.
- Inspect your workpieces for cracks or wear and tear before use, and discard if necessary. Materials could crack or shatter otherwise.
- Beware of chemical burn risks. Keep the batteries away from children.
- Always exercise caution and common sense when using tools. Not all potentially dangerous situations can be predicted. If you don't understand the operating instructions or feel the task is beyond your skill level, consult ussolid@service.com or a trained professional for further information or training.
- Ensure labels and nameplates are maintained as they contain critical information.
- **WARNING:** Power sanding, sawing, grinding, drilling, and similar construction activities can produce dust containing harmful chemicals that may cause cancer, birth defects, or other reproductive issues. Such chemicals may include lead from lead-based paints, crystalline silica from bricks and cement, and arsenic and chromium from chemically-treated lumber. The level of risk varies depending on your exposure frequency. To minimize exposure, work in a well-ventilated area and use approved safety equipment, like dust masks designed to filter microscopic particles.

COMPONENTS



- | | | | |
|---------------|-----------------------|------------------------|--------------------|
| 1. Die Switch | 4. Ring | 7. Power switch | 10. LCD display |
| 2. Die | 5. Cylinder block | 8. Manual reset button | 11. Sling |
| 3. Pliers | 6. Crimping indicator | 9. Main engine | 12. Li-ion battery |



PACKAGE LIST

①	Bare tool	1 PC
②	Lithium-ion battery	2 PCS
③	Battery charger	1 PC
④	#8 - 600 MCM Copper Die Kit	1 SET: 12 PCS
⑤	Operator manual	1 PC
⑥	Carrying case	1 PC
⑦	Tool holder belt	1 PC

SPECIFICATION

Model No.	USS-HC00001
Weight	9.3 lb (bare tool)
Product dimension	13.7*10.6*28.3 in (bare tool)
Crimping time	4 s (CU 300MCM)
Oil storage	166 ml
Max pressure	70 Mpa
Max output	65 KN
Crimping range	CU 600MCM
Working stroke	17 mm
Equipped die set	#8 AWG #6 AWG #4 AWG #2 AWG 1/0 AWG 2/0 AWG 4/0 AWG 250 MCM 300 MCM 400 MCM 500 MCM 600 MCM
Hydraulic oil	Shell Tellus 15# Low freezing anti-wear hydraulic oil
Temperature range	-10℃~40℃
Battery	18 V 4 Ah
Crimp times	About 300 times(CU 300MCM)
Charging voltage	100 V~240 V 50~60 Hz
Charging time	3 hours

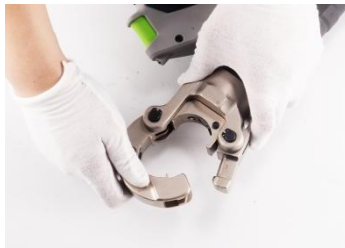
FEATURE

- Microcomputer Control System - Automatically monitors pressure during the crimping process and activates dual safety protection. After crimping, it automatically resets and

stops the motor rotation.

- Automatic Reset Function - The hydraulic device automatically depressurizes when the crimping force reaches its maximum, and the piston (lower die seat) automatically returns to its original position.
- Manual Reset Function - In case of errors during the crimping process, the piston (lower die seat) can be manually reset to its original position by pressing the reset button.
- 360° Rotating Clamp Head - Suitable for a variety of angular applications.
- Fault Alarm System - When power is connected, battery power is low, or an error occurs during the crimping process, the microcomputer control system emits an audible alarm and red LED flashing warning signal.
- Ergonomic Design - The tool's compact structure, anti-slip rubber grip, and optimized center of gravity design make operation easier.
- High-Performance Lithium-Ion Battery - Provides a more powerful energy source, no memory effect of discharge, ultra-low power consumption standby design guarantees up to 6 months of placement time, and over-discharge protection extends battery life.
- Temperature Sensor - The tool generates heat when working continuously for a long time. When the temperature exceeds 60°C, the tool will automatically stop and display a fault warning to prevent damage. It can only continue working once the temperature drops.

HOW TO USE



1. Unlock the latch.



2. Press the die switch button and place the die in the center position.



3. Press the switch on the other side and place another die in the center position.



4. Lock the latch.



5. Insert the lithium battery.



6. Place the terminal in the die groove.



7. Press the power switch until the crimping is completed and the pliers will automatically return to its original position. Then release the switch.



8. Remove the crimped cable terminal.(if multiple crimping is required, repeat step 7.8)

*Press the reset button to reset the pliers.

*Connect the holder belt with the ring and sling if needed.

MANAGE DISPLAY LANGUAGE SETTINGS

- Press and hold the power switch.
- Insert the battery.
- After hearing two beeps, release the power button within 1 second and quickly press the power switch button twice to enter the switching interface;
- Now pressing the power button can switch between Chinese and English;
- When switching to the desired language, wait for 3 seconds without taking any action to complete the setting.

CHOOSE OF DIES

Copper Cable terminal Size	Die Size
#8 AWG	#8 AWG
#6 AWG	#6 AWG
#4 AWG	#4 AWG
#2 AWG	#2 AWG
1/0 AWG	1/0 AWG
2/0 AWG	2/0 AWG
4/0 AWG	4/0 AWG
250 MCM	250 MCM
300 MCM	300 MCM
400 MCM	400 MCM
500 MCM	500 MCM
600 MCM	600 MCM

BATTERY

- **How to charge**
 - **Switch off the machine.** Remove the battery pack and charger, align the slot of the battery pack with the charger slot, and insert it into the charger.
 - Connect the charger power cord plug with the power supply to start charging.
 - The charger indicator lights are as follows:

- ◆ Charger standby: Green light on, red light off.
- ◆ Charging: Red light on, green light off.
- ◆ Charging completed: Green light on, red light off.
- ◆ Abnormal charging process: Red and green indicator lights flashing alternately.
- ◆ Battery over-temperature: Red light flashing, green light off.

■ Storage

- Do not discard the battery in an excessively hot or cold environment.
- If storing for a long period, remove the battery from the device.
- Store the battery and charger in a box, away from high temperatures, dust, and humidity. Check if the switch is off before storage.
- The battery should be stored in a dry environment, as follows: storage for less than 1 month $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$; storage for less than 6 months $-10^{\circ}\text{C} \sim +35^{\circ}\text{C}$; storage for more than 6 months $0^{\circ}\text{C} \sim +30^{\circ}\text{C}$.
- The battery should be kept at least 1.5m away from any potentially flammable materials.
- Battery Maintenance: Please fully charge before storage, and recharge every 3 months during long-term storage.

■ Maintenance

- The battery is rechargeable and can be recycled, but will eventually fail. Please replace the battery when the number of tool uses noticeably decreases.
- Please charge the battery in time and do not deplete the battery completely, as this will lead to faster battery degradation.
- If the tool is not used for a long time, remove the battery and charge it once every three months.
- Do not connect the positive and negative poles of the battery with a wire, which may cause electrical sparks, fire or even explosion.
- Do not use damaged batteries or chargers, as this increases the risk of electric shock.
- Under no circumstances should the battery be incinerated, as this can cause an explosion.
- Do not cover the charger with anything while charging. This could lead to overheating and fire risks.
- Disconnect the power supply when not using the charger to reduce the risk of injury to children and untrained individuals.
- Do not use the charger in a humid environment or expose it to rain or snow, as this increases the risk of electrical shock.
- Do not disassemble the battery and charger on your own. In case of any malfunction, please have it repaired by professionals or the manufacturer until the problem is resolved.
- This tool can only use specifically designated battery packs. Using other types of battery packs may cause personal injury or fire.
- Do not place the tool and battery pack where the temperature may reach or exceed 40°C .

- Do not hit the battery or let it fall.

■ **Disposal**

Switch off the machine and remove the battery from the device. Before discarding the battery, please use up its power. It is recommended to tape the terminals to prevent short circuiting before disposal. The lithium-ion battery is not domestic waste. Please send the device to a specialized recycling center, where the metal and plastic can be sorted and recycled.

Dispose of the battery observes local regulations. For united states residents, please refer to www.epa.gov/recycle/used-lithium-ion-batteries.

MAINTENANCE OF THE TOOL

- Keep the tool and spare parts dry. Rain, moisture, and various liquids or moisture can corrode the tool shell, metal surface, and electronic circuits. If the tool gets wet, remove the battery and only reinsert it when the tool is completely dry.
- Do not store the tool in extremely cold or hot places. Extreme cold or heat can deform the plastic parts of the tool, shorten the life of electronic components, and damage the battery.
- Do not clean the tool with strong chemical cleaners or powerful detergents.
- To ensure the lifespan of the tool, it is recommended to change the hydraulic oil inside the tool annually.
- When the tool is not used for a long time, reset the piston to the bottom, wipe the surface of the tool clean, evenly apply anti-rust oil on the crimping die and the metal surface of the tool, and remove the battery for storage in the toolbox.
- Sealing elements are consumables. If hydraulic oil leakage occurs after a period of use, please contact the dealer or manufacturer for professional maintenance personnel to replace the sealing elements.
- Regularly apply anti-rust oil to the die to prevent the die from rusting and damaging.
- It is recommended that the tool be returned to the factory for maintenance every 10,000 uses.
- Only hydraulic oil of the brand and specifications indicated by our company should be added.

TOOL FAULT DETECTION

- **2 flashes and 2 beeps:** Power-on self-test is initiated, indicating that the system is operating normally.
- **No flashes and no beeps:** Circuit is potentially not connected or faulty. Immediate inspection is required.
- **3 flashes and 3 beeps:** Temperature warning. The tool has overheated and needs to cool down before it can be used again.
- **5 flashes and 5 beeps:** Charging reminder. The battery level is low, and while it can still be used a few more times, it is recommended to charge the battery.
- **5-second flash and 5-second beep:** Low battery warning. The battery is depleted and needs to be charged immediately.