



# PortaForce

## Battery Hydraulic Cable Cutter

**MODELS: CC50 • CC65 • CC75**

*Instruction Manual*



**Safety Operating & Maintenance Instructions must be followed**



We shall in no event be liable for death, injuries to persons or property from the improper use and lack of maintenance of our product. For any doubt about safety operation and precautions, please contact your distributor.



Please properly dispose of all packing materials and removed parts.

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## 1. Introduction

- Before starting to use the tool, please read these instructions carefully.
- Use this tool exclusively for its intended purpose.
- Always follow the instructions when using the tool.
- The operator must:
  - — ensure the instruction manual is available to the user
  - — make sure the user has read and understood the instruction manual

## 2. Safety Information

### 2.1 Work Area Safety

- Keep the work area clean and clear. Cluttered or dark areas invite accidents.
- This tool is not insulated; do not use it on a live conductor.
- Do not use or store the tool in high temperature, or in an environment containing corrosive fluid. Watch for the sealing kit ageing over time.
- Keep children and bystanders away while operating this hydraulic cutting tool. Distractions can cause loss of control.

### 2.2 Electrical Safety

- Make sure the plug matches the socket. Never modify the plug.
- Do not use or store the tool, battery, or charger in rainy or humid conditions — water entering the electrical system can cause an electric shock.
- Do not use the cable to carry or pull the charger, or to unplug it. A damaged or twisted cable may cause an electric shock.
- If the charger is dropped, crushed, or otherwise damaged, do not attempt to repair it yourself — return it to an authorised service centre. A damaged charger may cause an electric shock.
- The best temperature for charging is 10°C–40°C. Make sure the air vents on the battery and charger are uncovered while charging.
- Unplug the charger in severe weather.
- Do not burn the battery or allow it to short-circuit — this may cause an explosion.
- Keep the tool out of reach of children and anyone unfamiliar with it.

### 2.3 Personal Safety

- Stay alert, watch what you are doing, and use common sense when operating the tool. Do not use the tool while tired, or under the influence of drugs, alcohol, or medication. A moment of inattention may result in serious personal injury.
- Use safety equipment — mask, helmet, safety cap, insulating shoes, and similar protective gear — to reduce the risk of personal injury.
- Dress properly. Do not wear loose clothing or jewellery. Keep hair, clothing, and gloves away from moving parts.

- Maintain the tool. Check for misalignment or binding of moving parts, breakage, and any other condition that may affect operation. Have the tool repaired before use if damaged — many accidents are caused by poorly maintained power tools.
- Use the tool as intended; correctly powered, it will do the job better and more safely, at the rate it was designed for.
- Do not put your fingers into the head of the tool during operation — they could be pinched very severely.

## 3. Product Overview and Specifications

### 3.1 Understanding Your Tool

This tool cuts Cu/Al cables and ACSR conductors, with maximum cutting capacity depending on model (see specification table below). It is powered by an 18V rechargeable lithium battery, and the motor is protected by a circuit breaker.

### 3.2 Specification

| Model                           | PortaForce CC50                                                                                | PortaForce CC65                                                                                | PortaForce CC75                           |
|---------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------|
| Cutting range                   | Cu cable<br>3×120mm <sup>2</sup> , Al<br>conductor Ø50mm,<br>ACSR cable<br>1200mm <sup>2</sup> | Cu cable<br>3×120mm <sup>2</sup> , Al<br>conductor Ø65mm,<br>ACSR cable<br>1440mm <sup>2</sup> | Cu/Al cable up to<br>3×150mm <sup>2</sup> |
| Ambient temperature             | -10–40°C                                                                                       | -10–40°C                                                                                       | -10–40°C                                  |
| Voltage                         | DC 18V                                                                                         | DC 18V                                                                                         | DC 18V                                    |
| Cuts per charge                 | Depends on cable<br>size                                                                       | Depends on cable<br>size                                                                       | Depends on cable<br>size                  |
| Charge cycles (battery<br>life) | Approx. 100 times                                                                              | Approx. 100 times                                                                              | Approx. 100 times                         |
| Charging time                   | Approx. 2 hours                                                                                | Approx. 2 hours                                                                                | Approx. 2 hours                           |
| Packing                         | Plastic case                                                                                   | Plastic case                                                                                   | Plastic case                              |
| Weight                          | 2.85 kg                                                                                        | 3.4 kg                                                                                         | 4.15 kg                                   |
| Battery / Charger               | 2 pcs / 1 pc                                                                                   | 2 pcs / 1 pc                                                                                   | 2 pcs / 1 pc                              |

### 3.3 Description of Components



| No. | Description      | Function                                                                        |
|-----|------------------|---------------------------------------------------------------------------------|
| 1   | Non-moving blade | Fixed and immovable                                                             |
| 2   | Moving blade     | Moves to cut the cable                                                          |
| 3   | Feed switch      | Press together with the switch lock — the moving blade rotates counterclockwise |
| 4   | Retract switch   | Press together with the switch lock — the moving blade rotates clockwise        |
| 5   | Battery          | Power supply, rechargeable lithium (14.4V)                                      |
| 6   | Brace            | Convenient connecting unit                                                      |

## 4. Operation

- Check carefully before operating. Make sure the tool is complete and undamaged.

### Charging

Push the battery into the charger and connect the plug to the socket. Make sure the room temperature is between 10°C and 40°C. Charging takes around one hour. See the illustration below.



### Using the Tool

1. Remove the fully charged lithium battery from the charger and connect it to the correct position on the ratchet cutter.
2. Move the moving blade to the proper position, and insert the cable between the moving blade and the non-moving blade.
3. If necessary, perform the retracting operation first (press the retracting switch and the switch lock at the same time).
4. After preparation, press the feed switch and switch lock simultaneously. The moving blade rotates counterclockwise against the non-moving blade and starts the cutting operation.

#### CAUTION

The cutting process can be interrupted at any moment by releasing the switch. Do not knock any part of the tool, as this may cause injury. The tool's built-in switch lock has been strictly tested before shipment — non-professionals should not adjust it.

#### DANGER

Do not put your fingers into the blades during operation. Your fingers could be pinched very severely.

## 5. Maintenance and Service

This tool is precision-engineered. Use it properly and do not disassemble it if you are not a qualified professional; damage caused by such misuse is not covered under warranty. Repairs may still be carried out on request, at the customer's cost for spare parts.

1. Keep the tool dry. Water can corrode the tool's surface, metal, and electrical parts. If it contacts water, remove the battery and reassemble once the tool is fully dry.
2. Avoid exposing the tool to extreme temperature changes — this can deform the plastic housing, shorten the life of electrical parts, and damage the battery.
3. Do not use any chemical agent to clean the tool. To prolong its service life, change the hydraulic oil annually.
4. If the tool will not be used for a long time, ensure the piston is in its starting position, clean the tool, and apply rust-proofing oil to the tool and accessories. Store it in its case in a dry location.
5. The internal sealing kit will wear with use. If oil leakage becomes significant, contact your distributor to have the sealing kit replaced promptly.

### Please Read the Following Carefully

The parts lists and assembly drawings provided in this manual are for reference only. Neither the manufacturer nor the distributor represents or warrants that the buyer is qualified to carry out repairs or replace parts. All repairs and parts replacement should be carried out by certified, licensed technicians — not by the buyer. The buyer assumes all risks and liabilities arising from any repair or parts replacement they carry out themselves.