

Technical Specification

Product Code • PH41	• PH15
Battery operating voltage • 18V (5 cells)	• 18V (5 cells)
Battery makeup • Lithium Ion (Li-ion)	• Lithium Ion (Li-ion)
Battery Capacity (Ah) • 4Ah (4000mAh)	• 1.5Ah (1500mAh)
Dimensions (H, L, W) • 185x115x85mm	• 185x115x85mm
Weight • 800g (1.7lbs)	• 800g (1.7lbs)

Do not use this product without first reading and understanding all documentation and warning labels. Keep these instructions safe and provide them to all users. For use only as outlined in this document, any other use will be considered as misuse.

If you experience any problems with the product please contact
email: service@cel-uk.com
phone UK: +44 8453 889769
www.cel-uk.com



Wear Eye,
Ear and
Respiratory
protection



Wear
appropriate
clothing



Be aware of
surroundings
at all times



General
Hazard



© C Enterprise UK LTD 2018 • Designed in UK Printed in China
Manual Version: 180717

Maintenance

WARNING, Switch off and remove the POWERhandle before carrying out any maintenance on your tools.

WARNING, Do not throw batteries into fire or water, It could cause an explosion!

WARNING, Batteries contain harmful chemicals, dispose of damaged batteries safely.

WARNING, Do not use an extension cord to charge.

WARNING, Charge indoors in a safe, dry environment away from flammable materials only.

POWERhandle refers to the battery pack with included handle and trigger, use of the word battery or batteries refers to the non-removable cells contained within the POWERhandle.

Overload or Protection

When overloaded (e.g.: the product is working too hard or the blade is jammed) the current will increase rapidly, this triggers the auto cut-off. Free the obstruction and restart the tool.

Low Voltage Protection

The Lithium Ion cells are protected by a circuit which prevents them from over discharge, this circuit can be damaged by impact, take care not to drop your POWERhandle.

When the discharging current is too high or the remaining battery voltage is not enough to drive the machine, the battery will cut out automatically.

Note: If this happens frequently the battery capacity is low, please recharge your battery.

Over Temperature Protection

The battery will not charge or operate if the temperature internally is too high. Allow the unit to cool in a safe location before continued use.

Servicing

This product contains no user serviceable parts. Repairs should only be carried out by a CEL authorised repairer.

No Memory Effect

Lithium Ion batteries can be recharged at any time during their use, there is no need to completely discharge the battery before recharging. You can use the battery for 5 minutes and place on charge with no detrimental effects. Additionally there is no need to wait for the battery to fully charge before removing from the charger.

General inspection

Regularly check that all the fixing screws are present and tight. They may vibrate loose over time.

Cleaning

Keep the POWERhandle air vents unlogged and clean at all times. Remove dust and dirt regularly. Cleaning is best done with compressed air or a rag.

Never use caustic agents to clean plastic parts.

CAUTION, Do not use cleaning agents to clean the plastic parts of the POWERhandle. A mild detergent on a damp cloth is recommended. Water must never come into contact with the POWERhandle.

Storage

Store the POWERhandle, instruction manual and accessories in a secure, dry place. In this way you will always have all the information and parts ready to hand.

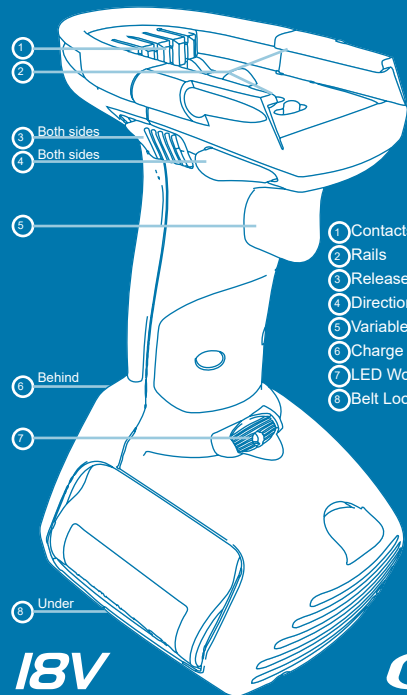
Never store the POWERhandle with a flat battery.

The battery should ideally be stored between 10°C and 24°C (50°F and 75°F).

Disposal

This product contains materials that should be recycled but can not be disposed of with regular household waste. For disposal options contact your local recycling centre, council offices or your place of purchase.

POWERhandle PH41 PH15



- 1 Contacts
- 2 Rails
- 3 Release Sliders
- 4 Direction/Safety Switches
- 5 Variable Trigger
- 6 Charge Indicator*
- 7 LED Work Light*
- 8 Belt Loop

*PH41 only

18V

CEL

Features and Operation



READ INSTRUCTIONS

All users of this product must read and understand all documents and warning labels applicable to this and other products/materials it is used with.

For replacement manuals contact your re-seller or visit www.cel-uk.com



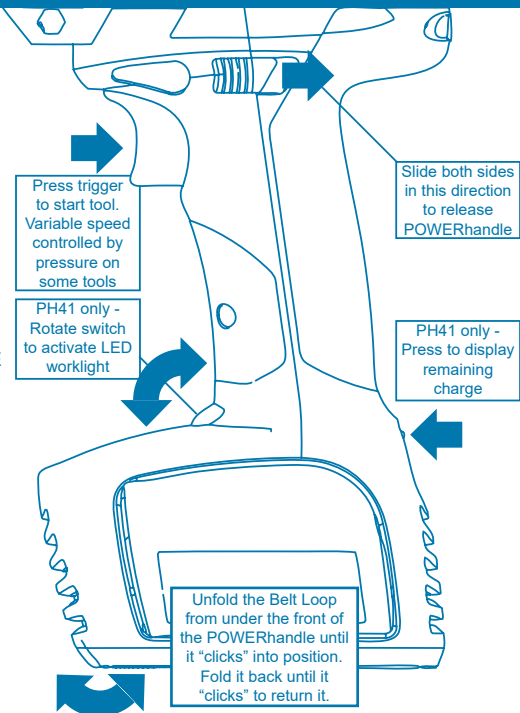
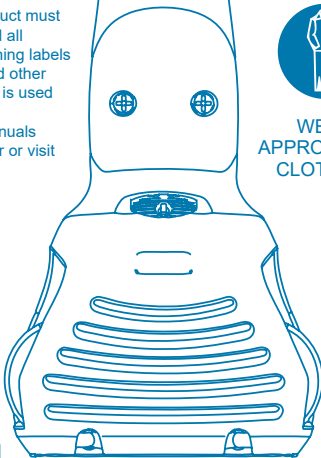
PROTECT VISION, HEARING, RESPIRATION



Press to change drive direction or to release the safety trigger. Move to centre position when changing battery or accessories.



WEAR APPROPRIATE CLOTHING



Press trigger to start tool. Variable speed controlled by pressure on some tools

PH41 only - Rotate switch to activate LED worklight

Slide both sides in this direction to release POWERhandle

PH41 only - Press to display remaining charge

Unfold the Belt Loop from under the front of the POWERhandle until it "clicks" into position. Fold it back until it "clicks" to return it.

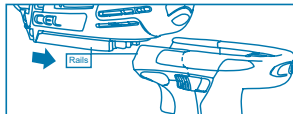
Fitting a POWERhandle

Inserting the POWERhandle

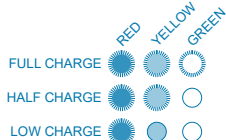
Align the rails on the charged POWERhandle and slide into the tool or charger until it can be felt to engage and sits flush with the fitting.

Removing the POWERhandle

Grip and slide the 2 Release Catches and pull the battery out of the machine to the rear.



LED Indicators PH41 only



Charge Level

Press the small Test button to show the charge remaining in the battery.

RED LED only is lit when there is a low charge, RED+YELLOW light up to show half charge, RED+YELLOW+GREEN all lit together indicates a full charge.

Charging

When the POWERhandle is charging the LED display will flash RED then RED+YELLOW then RED+YELLOW+GREEN then loop back to RED until the POWERhandle is fully charged. When all LED's are lit and steady the POWERhandle is fully charged.

On some reversible tools the LED display will loop RED, YELLOW, GREEN with a clockwise rotation and GREEN, YELLOW, RED when reversed.

Warning Indicators

Temperature Protection and Low Voltage Protection Circuit

High temperature will cause the POWERhandle to stop operations until battery temperature is below 75°C (167°F). A flashing RED LED on PH41 indicates this.

When a high current draw causes a low voltage within the battery (eg when the tool is jammed) the operation will stop for 5 seconds. Free the jam and restart the tool. The RED LED will flash quickly on PH41. Constant triggering usually indicates low charge.

Charging

Note: The battery is supplied partially charged. To ensure full capacity of the battery, completely charge the POWERhandle in the POWERhandle charger before first use.

Only use supplied POWERhandle and charger or a suitable replacement. Chargers are designed for specific battery types and are not interchangeable. The information plate on your charger will indicate which POWERhandles can be charged.

The lithium ion battery can be charged at any time without reducing its service life. Interrupting the charging procedure does not damage the battery. The POWERhandle circuitry will allow charging only within a temperature range of 0 °C to 45 °C. Always remove the POWERhandle from the tool/charger and store it in a dry, secure place between 10°C and 24°C (50°F) and (75°F) when not in use. Excessive heat will reduce the lifetime of the POWERhandle, cooler conditions are best for Lithium Ion batteries.

The batteries within the POWERhandle will hold charge for several months without recharge but should never be stored flat as this may permanently damage one or more of the cells of the battery.

The best battery lifetime can be achieved by using at least 20% of your batteries charge and then recharging to at least 80% capacity at least every 30 days. This helps the system to balance voltage across all of the cells.

To reduce fire risk, never leave the battery on the charger longer than 24 hours.



KEEP DRY