

# Battery Care Guide

A useful guide to caring for your mobility scooter or powerchair batteries



**CareCo**

The UK's leading mobility retailer

## Battery Care Guide | Welcome

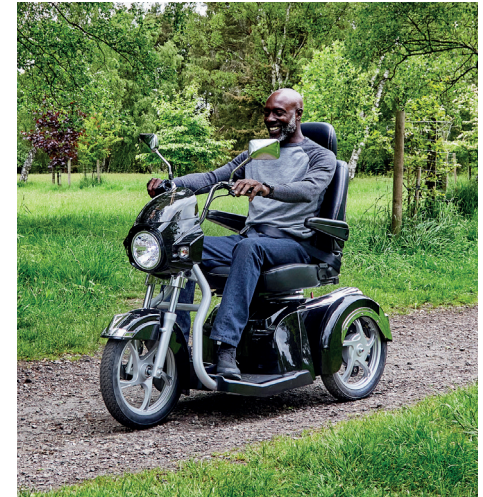
Once your scooter or powerchair is set up, use the instructions overleaf to ensure the batteries are ready for their first use. It's important to follow the correct instructions for your specific battery type.

### The following points are common for both SLA (Sealed Lead Acid) & Lithium Batteries

- ✓ Only use the charger provided with your scooter or powerchair.
- ✓ Always charge your batteries in a well ventilated area away from exits.
- ✓ Ensure the scooter / powerchair is switched off whilst charging.
- ✓ Ensure all leads are fully unwrapped before plugging it in.
- ✗ Do not charge near heat sources or open flame.
- ✗ Do not use the charger on carpet.
- ⓘ Connect your charger to the charging port on your scooter or powerchair before switching the power on for the charger.
- ⓘ Always switch the charger off at the wall socket before removing it from the scooter / powerchair.

### For Lithium Batteries only

- ✗ Do not charge overnight.





## Which battery? | SLA (Sealed Lead Acid) or Lithium

Mobility Scooters and Powerchairs are supplied with a range of batteries.

There are two main types:



### Sealed Lead Acid (SLA)

which includes: Absorbent Glass Mat (AGM) & Gel batteries



### Lithium batteries

which are longer lasting and 75% lighter

The following guides show the best practice on how to charge and store your batteries. You should always refer to the user guide for your specific scooter or powerchair.



## Battery Care Guide for SLA / AGM / GEL Lead Acid Batteries



### Initial Charge

**Charge for 24 hours.** It is important to leave on charge for 24 hours to ensure the batteries receive a full charge.



### After Use

**Charge for 8 – 12 hours.** DO NOT charge for less than 8 hours even if the light turns green. Do not charge for more than 24 hours.



### Storage

**Charge for 8 – 12 hours every 2 weeks.** Ensure the batteries are charged before storage.



### Overview

**SLA Batteries should be charged after each journey for 8 - 12 hours.** If the vehicle is not used often, then they should be charged every 2 weeks without fail.



## Battery Care Guide for Lithium Batteries



### Initial Charge

**Charge until the red light on the charger turns green** and then unplug the charger.



### After Use

**Charge the scooter when approximately 50% battery has been used.** Turn the charger off once the charger light turns green.



### Storage

**Charge and remove battery where possible.** Check the battery monthly and if necessary, charge until the charge light turns green. Never store the batteries with low charge.



### Overview

**Lithium batteries don't need to be charged until approximately 50% of their charge has been used.** Charge the batteries until the charge light turns green and then remove the charger from the scooter / powerchair.

### Find our batteries and chargers online

Need a replacement or a spare battery for your scooter? Find the one that fits on our website.

[www.careco.co.uk/mobility-scooters/batteries-chargers](http://www.careco.co.uk/mobility-scooters/batteries-chargers)



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### Final tips...

#### Read the Manual

Make sure you take the time to read your manual. This will help you understand the demands of your scooter or powerchair, ensuring you get the most from it.

#### Regular Maintenance

Batteries need charging over winter even if they are not used, just like a car. Make sure they don't go flat by charging them correctly using the information in this guide.

#### Annual Service

Service your scooter or powerchair at least once a year, so you know it is ready for day to day use.



## Things to consider

The performance of your batteries depends on many factors, from the weather to the type of terrain you travel on. Being aware of these factors will ensure you get the most from your scooter's batteries.



### User Weight

Battery mileage is affected by user weight. The heavier the load weight on the scooter, the harder the motor has to work, reducing battery mileage. Never exceed the recommended user weight.



### Terrain

Steep gradients & rough terrain will make the motor work harder which will then use more energy from the batteries. Ensure you don't exceed the recommended gradient climb.



### Storage

Ensure your scooter / powerchair is kept dry whenever stored. During the winter months, especially if the vehicle is not used, we recommend to charge the vehicle as advised in the guide overleaf.



### Tyre Pressure

If your scooter / powerchair is fitted with pneumatic tyres, ensure they are inflated to the correct pressure. A flat or underinflated tyre will drain more energy from the batteries.



### Temperature

Low temperatures will affect the efficiency of the batteries so you may find during the winter months that your scooter / powerchair requires charging more often.



### Going away on holiday?

Check with your airline before travelling to find out if your batteries are suitable for air travel. For further information, please contact a CareCo representative.

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### Phone Us

Speak to an advisor  
**0333 015 5000**

We ensure that all of our Lithium battery-based products are compliant with & tested according to British Standard 7176-31 'Lithium-ion Battery systems and chargers for powered wheelchairs' where applicable and that the lithium batteries themselves are manufactured in accordance with BS EN IEC 60086-4. This document of which is currently in hand with the government and other necessary bodies to ensure the highest safety requirements of lithium batteries. We gather Material Safety Data Sheets and Testing Certificates to ensure that all batteries are fully compliant for the UK market. As lithium batteries are classified as a Class 9 Dangerous Good during transport, we also obtain the UN 38.3 Certificate – a requirement which must be met to allow air, sea, road or rail transportation.