



August 2, 2022

Increase Your Electric Bike's Range: Our Top 10 Tips

There are a whole host of ways you can increase your electric bike's range. Simple shifts to your riding style can have a huge impact on your range without the need to fork out for a high spec battery. Read on and we'll share some tips to help you take your eBike even further.

eBikes had been steadily increasing in popularity over recent years. As 2020 saw lockdowns, and other Covid restrictions, their popularity seemed to explode. That year alone saw 170,000 eBikes being sold. That accounted for around a quarter of all bike sales.

Unfortunately, even if you splash out on the highest spec eBike, the Power Pack won't last forever. But, the way you use your bike can have a significant impact on the range you receive. From reducing the level of assistance to ensuring your tyres are at the correct pressure, there are numerous ways of improving your electric bike's range. Here's a look at 10 of them.

Make sure that your Power Pack is fully charged

It may sound a little obvious, but if you want to increase your electric bike's range, you need to ensure that it's fully charged. It's all too easy just to jump on your eBike for an impromptu ride, but this can mean you've not had the opportunity to charge up.

The best way to be sure that this is never a problem for you is to develop a good routine, where you charge your Power Pack up after every ride.

Increase Your Electric Bike's Range Using Pedal power

A great way of improving your electric bike's range is to simply pedal harder. If you're out and about and realise that your power is falling, you can make up for this by getting your legs moving. This can help to overcome low battery power.

What can help even more is to turn your Power Pack off completely. You could do this for easier parts of your journey, and then switch back on when the going gets tougher.

Opt for a lighter eBike conversion kit

Not all conversion kits are created equal. You will find that some weigh much more than others. The heavier the kit, the more weight there is to move. The more weight there is to move, the more energy is needed and the quicker your Power Pack will drain.

The other benefit of a lighter conversion kit, such as the Swytch Kit, can be appreciated when the power finally runs out. At this point, you'll have no choice but to pedal and you'll be thankful for the lack of any unnecessary weight.

Get an extra Power Pack

One of the benefits of a quick-release power pack is that you can take it off and swap it for a fully charged one mid-ride. And with the [Swtch Power Pack](#) being the smallest and lightest in the world, it's easy to safely stow your spare with you while you cycle. [Contact us](#) for more information regarding purchasing an extra Power Pack.

Check your tyre pressure

You already know that your tyre pressure can have an impact on the comfort, and safety, of your ride. However, keeping this in check is also key to improving your electric bike's range. You may be surprised at just how big of a difference this can make.

Low tyre pressure leads to a sluggish feel to your ride. It draws power from both you and your Power Pack. Be careful not to overinflate though as this can result in a rough, uncomfortable ride.

Keep your chain oiled

Your chain is a vital component of your eBike and it needs to be treated with the care that it deserves. The simplest of maintenance just sees you making sure that this is oiled. Ideally, after you have added oil, leave your eBike to stand for a few minutes before wiping away any excess.

Making sure that your chain is oiled will make your peddling more efficient. Depending on your eBike of choice, it can also improve the efficiency of your motor.

Care for your battery

Taking proper care of your battery can protect its efficiency. Having an efficient battery is an important step towards improving your electric bike's range. You will see the rewards of correct battery care.

Try not to expose your battery to extremes of hot or cold. Don't leave it plugged in for more than 24 hours but make sure that it's charged regularly.

Battery replacement

Much like other batteries that can be charged, over time your eBike battery won't be able to hold quite as much charge. When this is the case, it's time to look for a new battery.

A top sign that your battery is past its best is that your range reduces. A replacement can restore your eBike and see you getting that range back. Swytch run a Power Pack replacement scheme, which allows you to send your old battery back after 3 years of use and exchange it for a new one at a reduced price.

Adapt your ride

If you're riding with little thought, particularly off-road, the chances are that you're hitting plenty of rocks, bumps, and dips. By looking ahead, and planning, you can avoid this and as a result this can actually see an improvement in your electric bike's range.

Pick your line as you ride and your eBike will reward you. It may take time to master how to read the terrain, but it's certainly worth it.