

## Range anxiety



### How to maximise your range

Thoughtful driving doesn't just make your battery charge go further, it extends the life of your battery.



#### Preparation extends your range

Plan ahead, and you'll go further on a single charge. You'll be using your e:Ny1 to its full potential and extending the life of its battery.

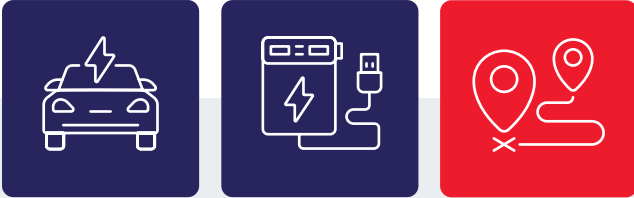
- + Update your e:Ny1 software: we're committed to providing free-of-charge, over-the-air updates to improve vehicle acceleration, performance, and safety
- + Find suitable charging points along the way
- + Precondition your car – bring your car and battery to a comfortable and efficient driving temperature before you set off – saves time and draws power from your charging source not your battery
- + Consider other routes – slower but shorter
- + Avoid driving faster than 70 mph
- + Drive gently
- + Drive smoothly
- + Get to know your regenerative braking modes
- + Optimise your climate control
- + Whenever possible, charge your battery to 80%, not to full



#### More ways to stretch battery life and charge

- + Avoid extreme temperatures
- + Don't let the battery run flat
- + Don't overcharge your battery – stick to 80% whenever possible
- + Avoid frequent rapid charging
- + Let your battery cool before charging
- + Ease off the accelerator
- + Drive in an efficient way
- + Use eco-mode – the e:Ny1 has three modes: eco, sport, normal





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### **+** **Regenerative braking** **recaptures energy**

Regenerative braking (sometimes called regen braking) is a process that an electric car uses to recapture kinetic energy – the energy of motion – that would otherwise be lost during braking. The process sends the energy back to the car's main battery as electricity where it can be used again to drive the car forward.

Regenerative braking is an easy way to reduce energy consumption and extend your range. To maximise the range of your e:Ny1, use the strongest regenerative brake setting (it's setting #4 and it's on one of the paddles on your steering wheel).

e:Ny1 regenerative braking is available on the Elegance and Advanced Models. Both models also feature eco, sport, and normal driving modes.

#### **How does regenerative braking work?**

An electric motor is highly versatile because it runs both ways – forwards or backwards (clockwise or anti-clockwise). In normal driving, the motor rotates in the same direction as the wheels it drives. But when braking, it can spin in the opposite direction, generating energy as it slows the rolling wheels and the mass of the car.

Compare this to a car with a combustion engine. When you press that car's brake pedal, hydraulic pressure pushes the brake pads against the discs. Their grip on the pads creates friction which slows the car down. All the kinetic energy goes to waste.

