



zappi

Smart Charging Regulations

Quick Reference Guide for Installers

Helping to manage Britain's energy grid

zappi is compliant with the UK Government's (Smart Charge Points) Regulations 2021, required by **30th June 2022**. This means zappi has intelligent features that help to manage the demand on the energy grid.

The new smart charging regulations are a huge, positive forward-step by the UK Government in preparing our homes for a smart, connected and democratized energy system – essential tools in driving-down emissions – and a core reason why myenergi exists.

However, we appreciate that any new regulations have the potential to be very daunting for customers – myenergi is committed to making sure they're no cause for concern.

This quick start guide will help you explain the new features to customers and how they can adjust them to meet their needs.

Thanks for choosing zappi [#happizappi](#)





Small changes make a big impact

The new regulations are focused around when an electric vehicle is charged. The aim of the regulations is to prevent everyone charging at the same time (such as tea time).

Two features of zappi, **Smart Scheduling** and **Randomised Delay**, will help customers make small changes that can have a big impact. Electricity in off-peak periods is typically greener and sometimes even cheaper, so small changes really do make the difference!

Randomised Delay prevents everyone starting charging at the same time (For example, if lots of people have set a schedule to match their electricity tariff). This means zappi will randomly wait up to 10 minutes after the scheduled charge time or boost.

A similar random delay will occur at the end of a scheduled boost, so charging may last a few minutes longer than expected. This is to prevent every EV charger stopping at the same time.

Randomised Delay does not apply when charging from surplus self-generation (such as Solar or Wind). Customers can override these features at anytime on zappi or in the app.



Handy features that put **you** in control

Smart Scheduling (Default off-peak charging): To comply with the smart charging regulations, zappi will be set to charge in off-peak hours by default (00:00–08:00). Customers can change their schedule in the myenergi app or under 'charge settings' in the zappi menu.

Randomised Delay: zappi may wait up to 10 minutes before starting to charge. This is to help balance the energy grid. Customers can override this on zappi by pressing the '+' button. The delay decided by zappi is purely random and calculated at the start of each charging session, sometimes it might be a few seconds, other times it could be up to 10 minutes. The Randomised Delay will also happen at the end of a scheduled boost.

zappi will tell you on the display and in the myenergi app, if either feature is active.

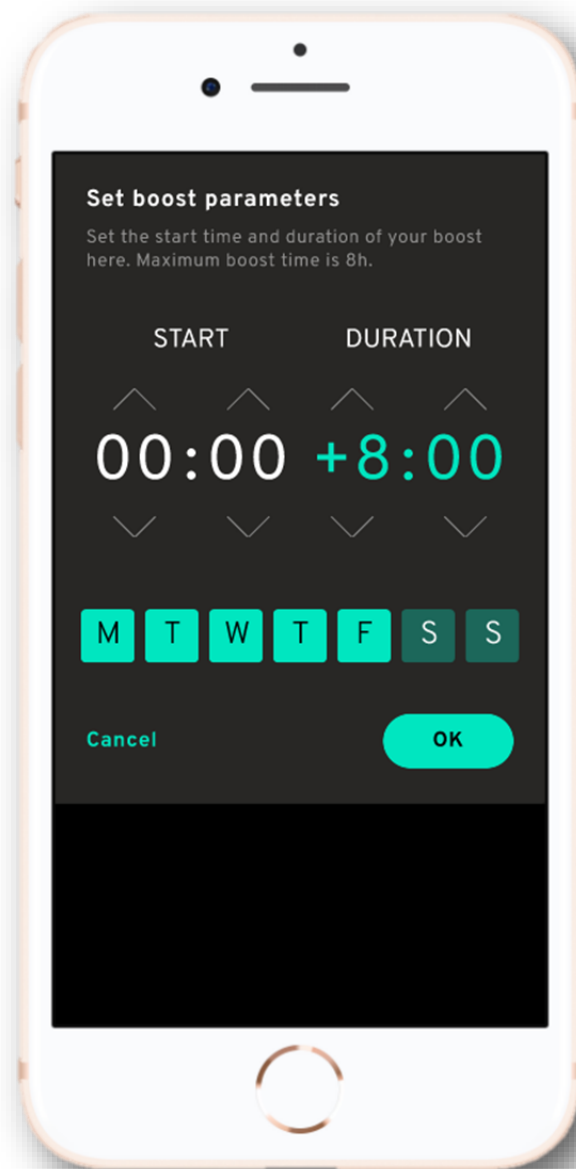
Charge on schedule

Customers can adjust their smart charging schedule in the myenergi app. zappi helps customers charge to their schedule. For example, if your customer has an electricity tariff that is cheaper at different time periods, they can set a schedule to help them save money.

In ECO or ECO+ modes, customers can still use their surplus solar or wind generation, regardless of the schedule set. If they need to charge straight away, they can override the schedule by selecting a manual boost in the myenergi app.

If your customer prefers to charge when they like, they can also delete the default off-peak schedule on the zappi or in the myenergi app. zappi will then start charging as soon as they plug in, when using Fast Mode.

The Randomised Delay will still apply, so there will be a delay of up to 10 minutes, before the EV starts charging (unless you choose to override the delay and charge straight away).



Compliance in

1, 2, 3...

We've made it simple for installers to setup zappi for the new smart charging regulations that come into force on **30th June 2022**.

As an installer, you'll notice some changes as part of the commissioning of zappi from devices shipped by us after the **25th May 2022**.

On first boot, zappi will ask you if the charger is to be installed in a region affected by the regulations (England, Scotland or Wales). zappi will be setup in ECO+ mode by default. It's as simple as that. The charger will activate compliance features, (Randomised Delay and Off-Peak Charging) if required.

You can identify if your zappi is compliant with the regulations, by looking for the label on the outer packaging marked - "Compliant with The Electric Vehicles (Smart Charge Points) Regulations 2021".

Important: The new regulations mean it's important that an EV charger is connected to the internet, if installed on or after **30th June 2022**. Please ensure you connect zappi by WiFi or Ethernet, during the commissioning process. You can find out how to do this here: <https://myenergi.com/wp-content/uploads/2022/04/VHub-WiFi-Module-Insert-V1.2.0.pdf>

Note: In preparation for the smart charging regulations, we've already started to ship units with a new firmware version. On first setup, zappi's manufactured before 30th June 2022 will also ask if the date is greater than 29th June 2022. This is so you can be confident that units currently shipped after 25th May 2022 will be compliant, if installed on or after 30th June 2022.

SETUP WIZARD

Is today later than
the 29/06/2022?

Yes

No



SETUP WIZARD

Is this zappi being
installed in
England, Scotland
Or Wales ?

Yes

No



SETUP WIZARD

Default off peak
Charging times set
As required by
The Smart Chargepoint
Regulations

Press + to confirm

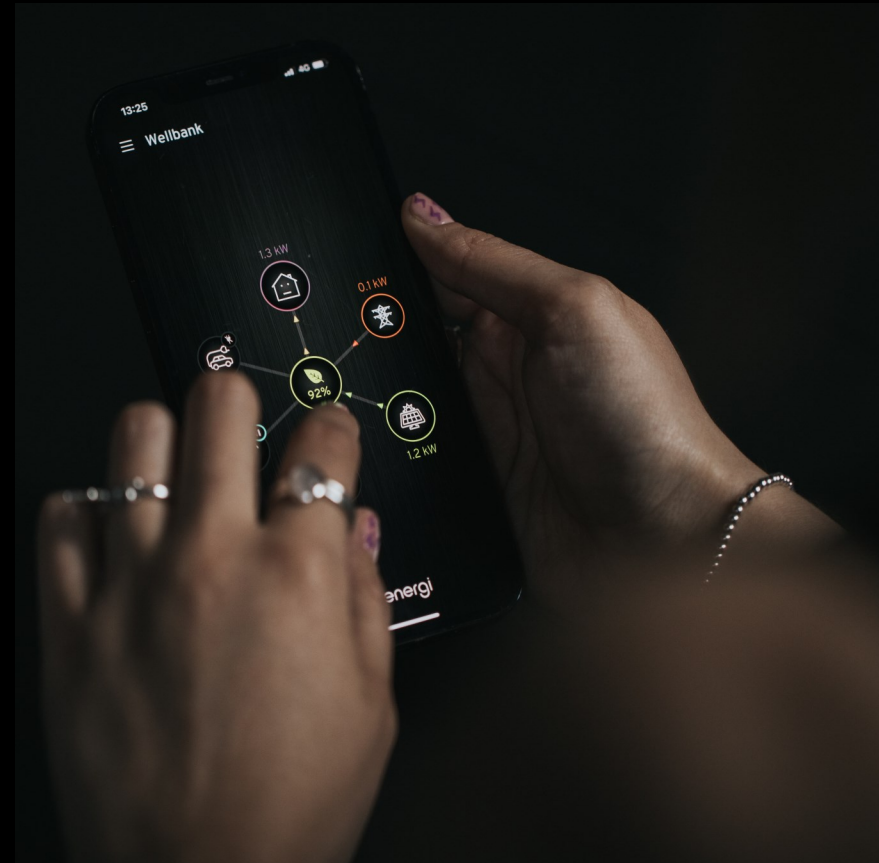
The myenergi app gives you more

We recommend setting up the myenergi app, to give your customers the best experience.

By setting up the myenergi app, your customers can control and adjust the smart charging regulations settings at any time.

Customers can choose their own schedule, and get up to date information on when their vehicle is expected to charge.

In myaccount, customers can get 13 months of charging history, which they can download in CSV or Excel format.



zappi keeps you informed

The myenergi app and zappi will let customers know when Randomised Delay is active, and when their vehicle will start charging. If they're in a hurry, they can override the delay by pressing 'charge now'.

Customers can also override Randomised Delay on the zappi screen. Randomised Delay reactivates each time a customer starts a new charging session, it cannot be permanently disabled.

Customers will also see the next charging schedule, this is when zappi will allow the customer's EV to charge at full power, using electricity from the grid. You can help set up your customers by advising them to download the myenergi app from the Google Play or Apple App Store.





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