

bp pulse home charger smart

User Guide



bp
pulse

Original instructions
Version 2.7
24/03/2023

Models covered by this manual

| | |
|---------|---|
| HCW7T1 | pulse home Wi-Fi 7kW (Single Phase) Tethered Type 1 |
| HCG7T1 | pulse home Wi-Fi+4G 7kW Tethered Type 1 |
| HCW7T2 | pulse home Wi-Fi 7kW (Single-Phase) Tethered Type 2 |
| HCG7T2 | pulse home Wi-Fi+4G 7kW Tethered Type 2 |
| HCW22T2 | pulse home Wi-Fi 22kW (3 Phase) Tethered Type 2 |
| HCG22T2 | pulse home Wi-Fi+4G 22kW (3Phase) Tethered Type 2 |
| HCW7S2 | pulse home Wi-Fi 7kW (Single Phase) Socket Type 2 |
| HCG7S2 | pulse home Wi-Fi+4G 7kW Socket Type 2 |
| HCW22S2 | pulse home Wi-Fi 22kW (3 Phase) Socket Type 2 |
| HCG22S2 | pulse home Wi-Fi+4G 22kW (3Phase) Socket Type 2 |

Contents

| | |
|---|-----------|
| Safety requirements | 4 |
| Limitations | 4 |
| Introducing bp pulse | 5 |
| bp pulse home | 6 |
| charger smart | 6 |
| LED light status | 7 |
| Randomised delay start | 9 |
| app and portal options | 9 |
| Starting a charge | 10 |
| Ending a charge | 11 |
| Configure Wi-Fi | 12 |
| Power that you control | 14 |
| bp pulse home app | 15 |
| The app functionalities step by step guide | 16 |
| The portal functionalities step by step guide | 20 |
| Specifications | 24 |
| Safety instructions | 26 |
| Connector recommendations | 27 |
| Resetting your bp pulse home charger smart via the distribution board | 28 |
| Troubleshooting and further assistance | 29 |
| Legal notices | 32 |
| Maintenance | 33 |
| Decommissioning and disposal | 33 |
| Warranty | 34 |
| Service | 34 |
| Certification | 35 |
| Declaration of Conformity | 36 |

Safety requirements

Before operating the bp pulse home charger smart, the user must read and fully understand the safety instructions included in the manual. Failure to follow the safety information and instructions provided in this manual and displayed on the device, may lead to electric shock, fire, severe injury and may damage the device and/or vehicle. Damage resulting from negligent actions are excluded from warranty. Installation of the device must be carried out by a qualified electrician in line with the applicable regulations. The information within the installation manual does not allow the user to overlook responsibility in regards to the norms, standards or local regulations that might apply. The bp pulse home charger smart has been designed, developed and manufactured to adhere to requirements, safety dispositions and norms in accordance with the directives provided in the Declaration of Conformity.

Safety instructions are included on page 26 of this manual.

Limitations

This charger is designed for use in the UK, specifically with electrical and environmental conditions expected in this country. It is intended for use with Electric passenger vehicles. It is not to be used to provide electrical charge to any other form of battery operated vehicle that does not make use of Mode 3 charging.

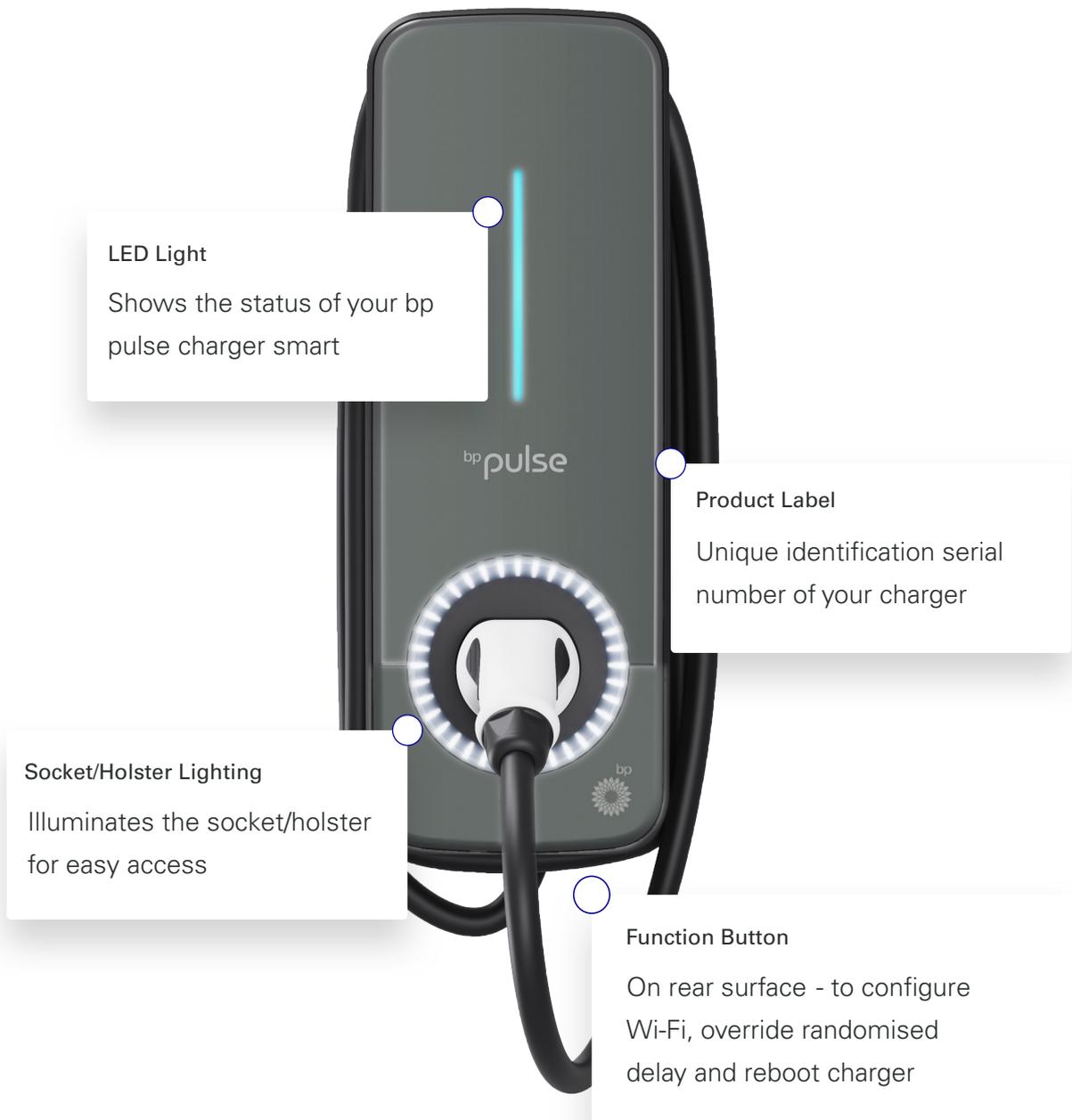
Introducing bp pulse

Congratulations and welcome to the bp pulse family! You have now become part of the revolutionary network providing you with innovative technology designed to simplify your charging needs. Within this user guide we have provided the instructions for use of your new pulse home smart, enabling you to charge your electric vehicle effortlessly and securely, while also walking you through the bp pulse network. Let's get you charged!



bp pulse home charger smart

The smart and reliable bp pulse home charger smart gives you the control over the cost and times of your charging, as well as the ability to start a charge from anywhere in the world. Simple to use, this charger offers a secure and flexible way to charge your electric vehicle.



LED light status

Bellow are the main colours and reactions of the LED light



Idle

Blue

Your bp pulse smart pro charger is ready.



Charging

Green

The green light will pulse to indicate charging.



Disabled

White

Your charger is in disabled mode. This means a charge cannot start until the charger has been enabled via the portal.



Fault

Red

Your charger is in fault mode. Do not try to charge in this condition. Please refer to the trouble shooting guide for further assistance.

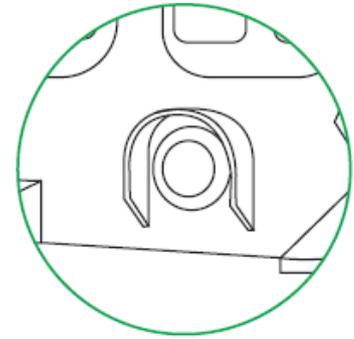
In addition to these main status's, there is a rolling **yellow** light status which indicates a firmware update is taking place. Please do not power down the unit during this time. Charging will not be able to start until the firmware update is completed.

Function button

The Function button is located at the bottom of the unit on the rear surface.

With this button you can:

- Start charge (delay override): press and hold down for 3 seconds and release
- Configure Wi-Fi: press and hold down for 6 seconds and release
- Reset: press and hold down for 10 seconds and release



Randomised delay start

Fading blue

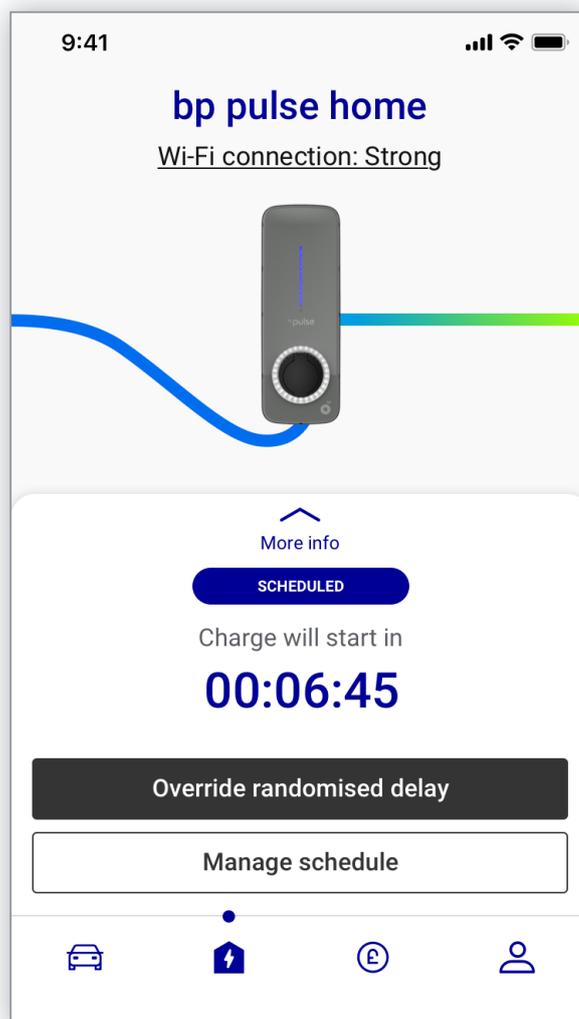
The randomised delay start may vary according to the applied delay and will be displayed by the LED's counting down. Each LED represents one minute. The delayed start may take up to 10 minutes. The home smart app will notify you with the duration of the randomised delay for each charge session - keeping you in the know.

The randomised delay start is a requirement for all private chargepoints in the UK, which helps to ensure the grid can support the extra demand for electricity as EV adoption accelerates.

Randomised delay start app and portal options

Sometimes you may need to start a charge right away, this can be achieved by selecting 'charge now' with the home smart app or web portal. This can also be achieved by holding down the function button for 3 seconds.

Doing so will override the randomised delay and begin the charge session immediately. Additional control of the randomised delay is provided via the home smart app and web portal.



Starting a charge

For socketed versions

1

Lift the flap to access the socket.

2

Insert the charging cable plug into the electric vehicle before connecting to the charging socket. Always make sure the plug is fully inserted into the socket.

3

The status indicator will begin to fade blue, this is due to the randomised start delay which may take up to 10 minutes, once complete the charger will begin a charge and the status indicator will pulse green.

For tethered versions

1

Remove the plug from the docking socket.

2

Fully uncoil the cable.

3

Open the charging socket cover on your vehicle.

4

Insert the charging cable plug into your electric vehicle (EV). The status indicator will begin to fade blue, this is due to the randomised start delay which may take up to 10 minutes, once complete the charger will begin a charge and the status indicator will pulse green.

Ending a charge

For socketed versions

1

Unplug the connector from the vehicle.

2

Unplug the charging cable from the charger.

3

The LED light will revert back to constant blue (Idle).

For tethered versions

1

Unplug the connector from the vehicle.

2

The LED light will revert back to constant blue (Idle).

3

Plug in the charging cable to holster or fit dust cap.



Configure Wi-Fi

1

Press and hold down the function button for six seconds.

2

Your home smart will then set up a Wi-Fi Access Point. The Wi-Fi Access Point network name will be 'bppulse-' followed by your charger's serial number at the end. For example, if the serial number of your charger is 'PH1234567', the Wi-Fi Access Point network name will be 'bppulse- PH1234567'.

3

On your mobile device, go to the Wi-Fi settings and select the Access Point network name as detailed above.

4

Once successfully connected to the charger's Wi-Fi Access Point, you will be automatically redirected to the login page. Otherwise, open a web browser on your mobile device and enter '192.168.57.241' into the web browser's address bar. You may be asked to accept self-signed certificates.

If certificates display:

- First click on 'Advanced'
- Then click on 'proceed to xxxxx (unsafe)'

5

Enter the login details and press 'Connect'. The default log in credentials are: Username: 'user'. Password will have been provided to you by bp pulse.

6

Select the Configuration tab to configure your charger to connect to your home Wi-Fi network.

7

Select the desired home network and enter the password of the home Wi-Fi network.

8

Select 'Save', to save changes.

9

Select 'Reboot Device' to apply changes. The charger will then deactivate the Wi-Fi Access Point, power down and reboot.. Please allow 5 minutes for the charger to complete the reboot process.

10

Once your charger has completed its boot-up sequence, it will connect to your home Wi-Fi network and you should be able to control your charger home smart app and web portal.

Power that you control

Once your bp pulse home charger smart has been installed and is powered on, you will be able to operate it through our bp pulse home app and portal. Your charger will automatically be added to your account and will be visible through both mobile app and web portal, ready for personalisation!

To get started with the web portal go to:

<https://portal.bppulse.co.uk>.

For the mobile app, please capture the QR codes bellow or visit our website:

<https://www.bppulse.co.uk/charging-at-home>.

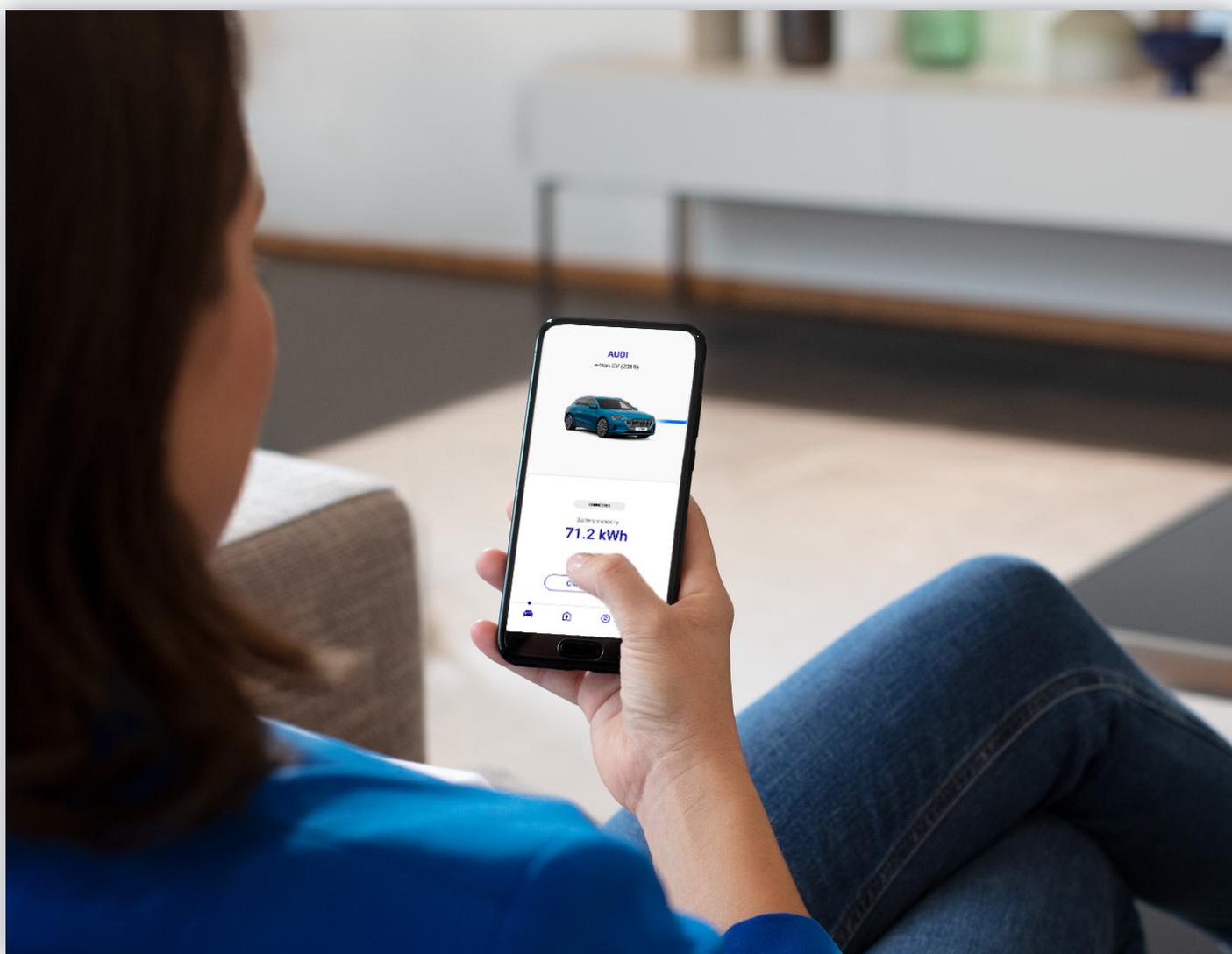


bp pulse home app

The bp pulse home app is the most convenient way to operate your charger when your out and about or just relaxing on the sofa!

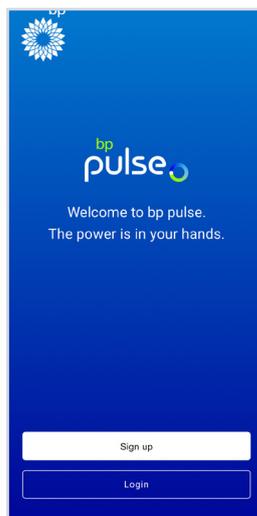
Through the bp pulse home app you will be able to:

- Start and end a charge
- Schedule remote charging sessions
- Obtain information about your usage
- View data about your charging sessions
- And much more.

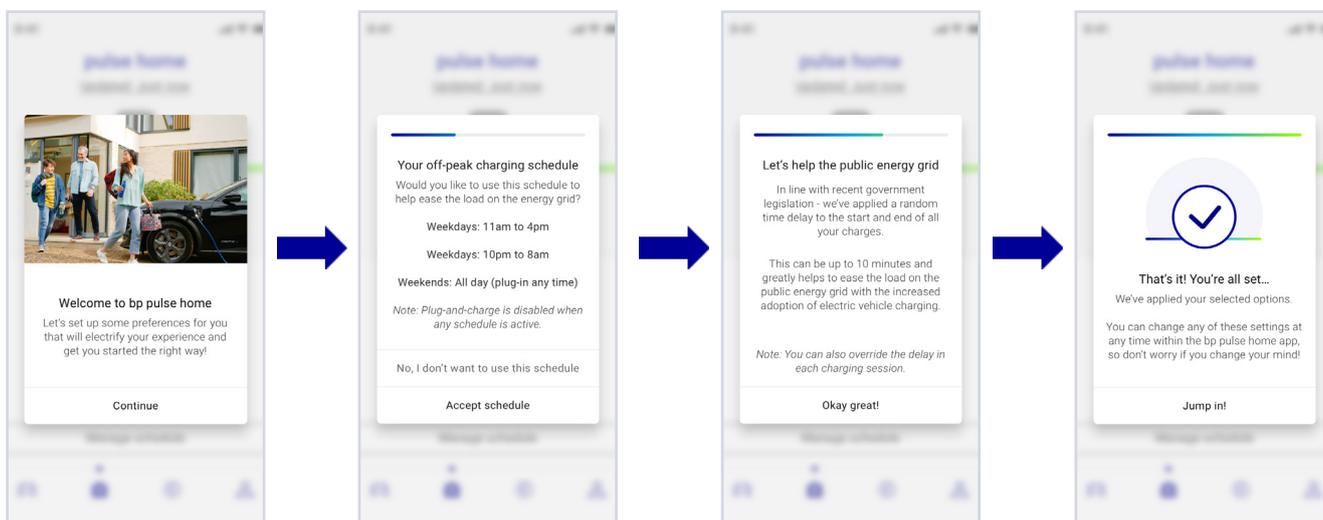


The app functionalities step by step guide

1. First log in to your account, using the same account details you created when signing up to bp pulse.



2. Once you have logged into your account, you can begin to personalise your profile. The app will begin by introducing how our charger works, this includes pre-set scheduling and random delay start/end.



3. After you have set your preferences, you will be presented with the home screen dashboard. The icons at the bottom show the different account options. These include:

My vehicle



Home dashboard



My energy supplier

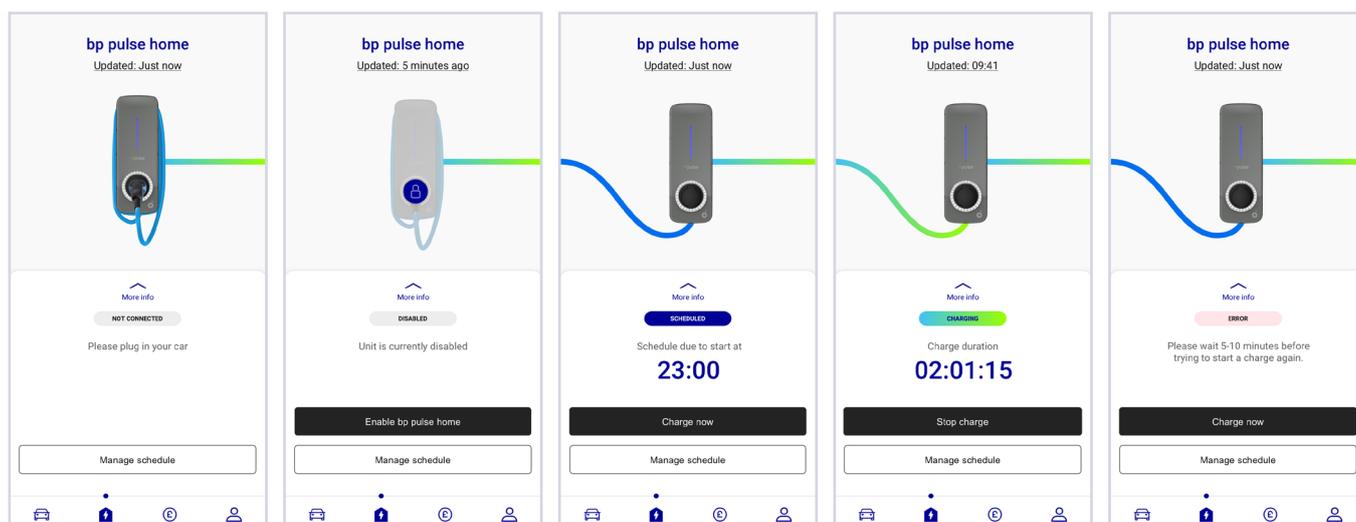


My account



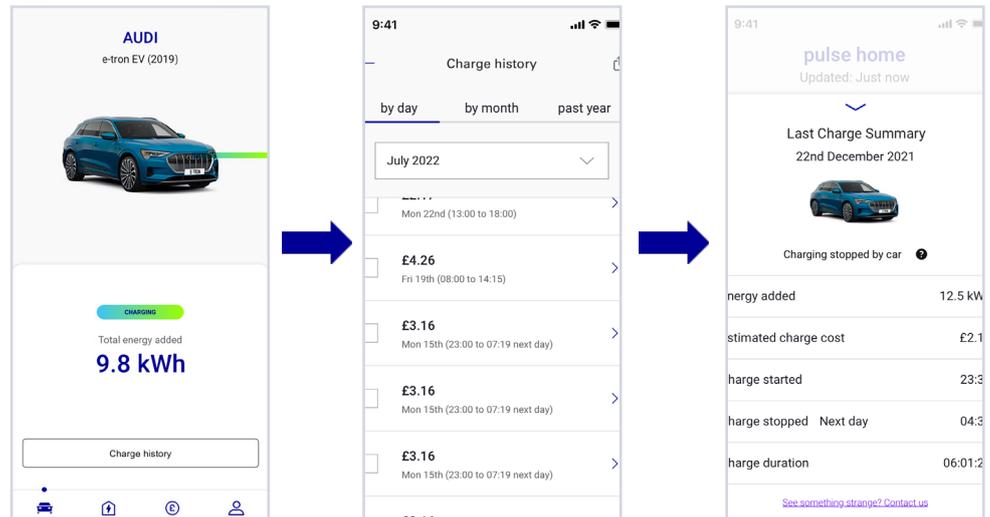
4. Home dashboard will show your charger in its current state such as when charging, idle, disabled and fault modes.. It will also display:

- Amount of kW's your EV has received whilst charging
- Charging time duration
- Off peak tariff times
- Current estimated cost
- Manage and view schedules you have put in place.
- Start/stop a charge

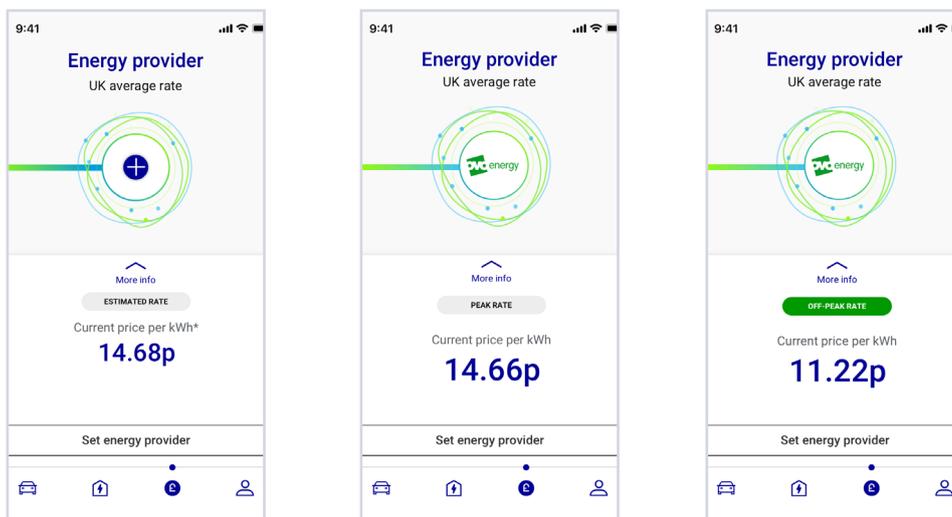


5. My vehicle will show your electric vehicle model and how many kW's it has so far accumulated. From this dashboard you are able to review your charging history, which logs:

- Time and date
- Energy added
- Estimated cost
- Energy
- Charge duration
- Energy provider
- Tariff

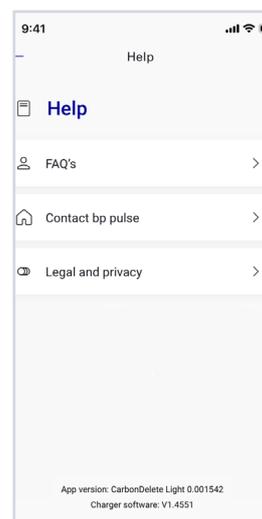
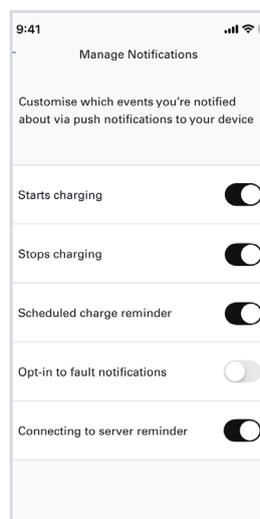
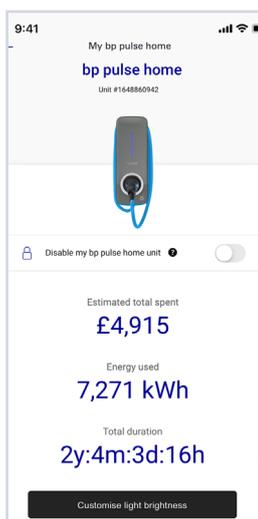
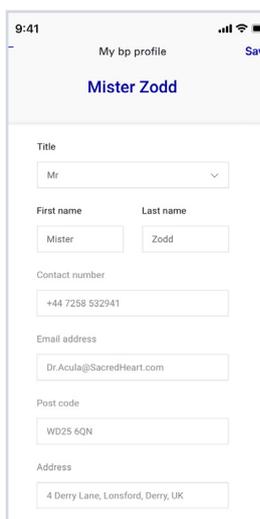
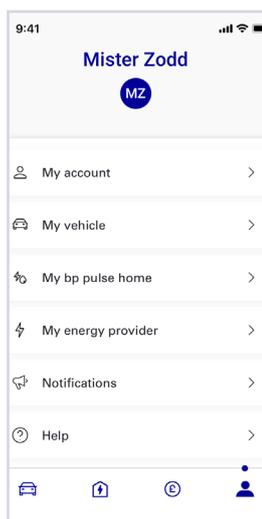


6. My energy supplier will allow you to set and manage your energy provider and gives details of the off-peak and peak rates.



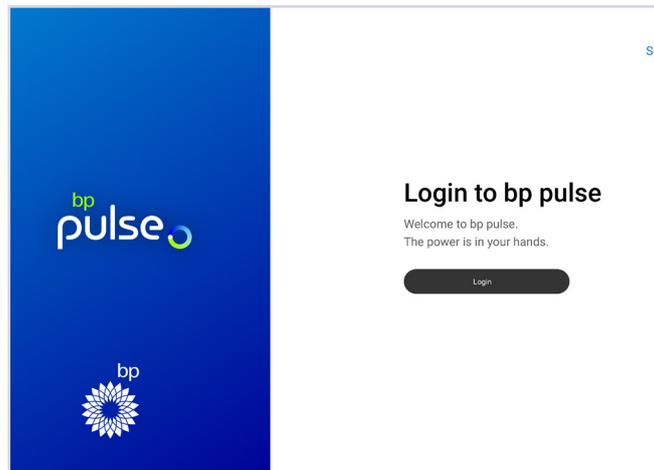
7. My account is where you can set and manage all your preferences, personal information and general details, it is also where you can find help and FAQ's. Included is:

- My account – manage and add personal information
- My vehicle – charging sessions, edit vehicle
- My bp pulse home – enable/disable charger, set LED brightness
- My energy provider – set/edit energy provider
- Notifications – manage notifications
- Help – legal and privacy info, contact details and FAQ's

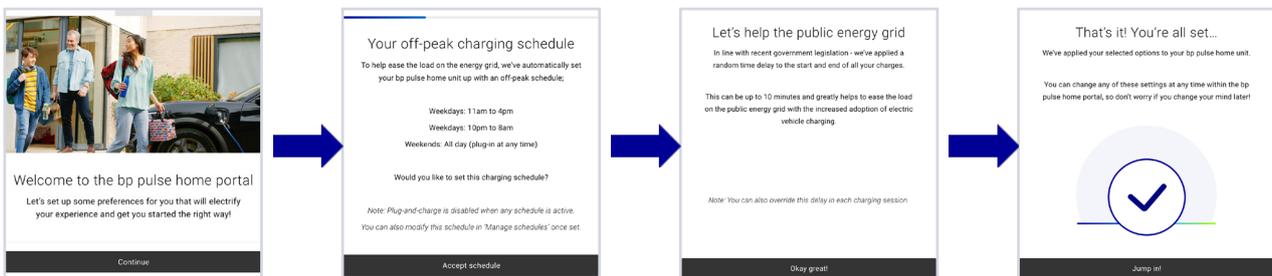


The portal functionalities step by step guide

1. First log in to your account, using the same account details you created when signing up to bp pulse.

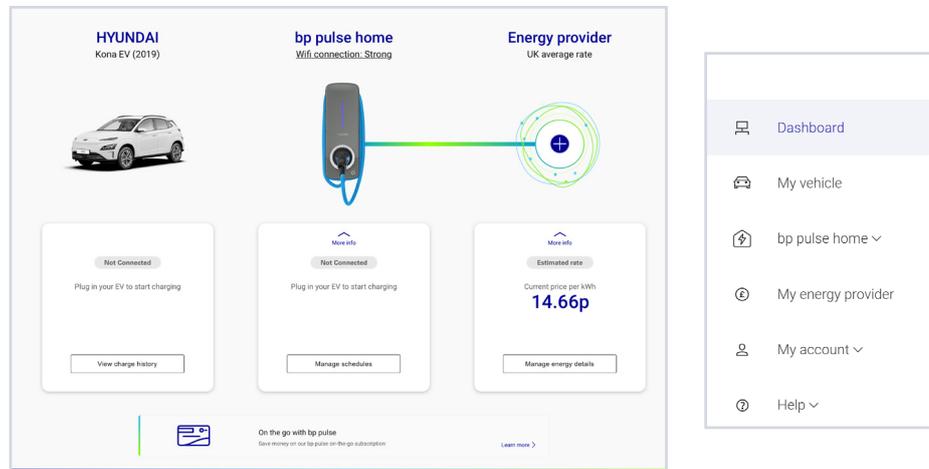


2. Once you have logged into your account, you can begin to personalise your profile. The portal will begin by introducing how our charger works this includes pre-set scheduling and random delay start/end.



3. After you have set your preferences, you will be presented with the home screen dashboard. Click the three lines in the top left corner to reveal the drop down menu. Which includes:

- Dashboard
- My account
- My vehicle
- My bp pulse home
- My energy provider
- Help



4. **My account** is where you can set and manage and add personal information and general details.

bp profile



John Dorian
Delete my bp account

If you want to change your password, please log out and select 'forgot password'

Title

First name

Last name

Contact number

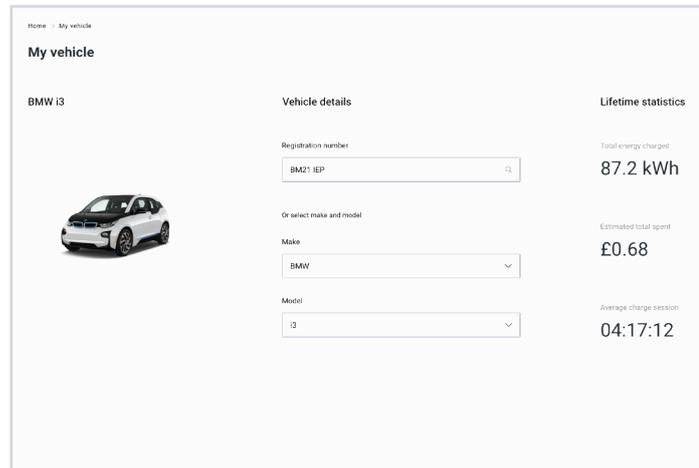
Email address

Postcode

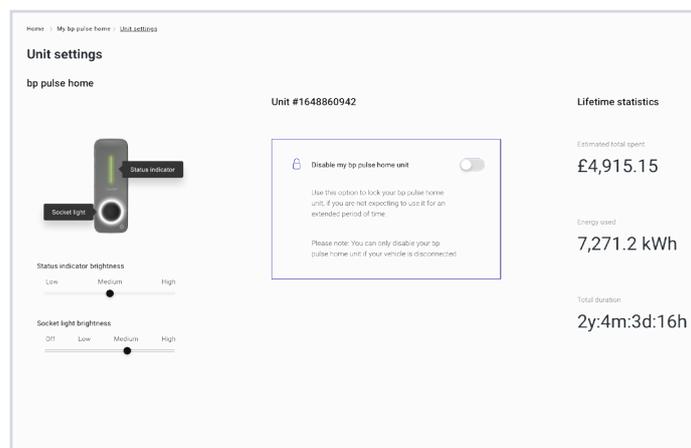
Address

5. My vehicle will show your electric vehicle model and how many kW's it has so far accumulated. From this dashboard you are able to review your charging history, which logs:

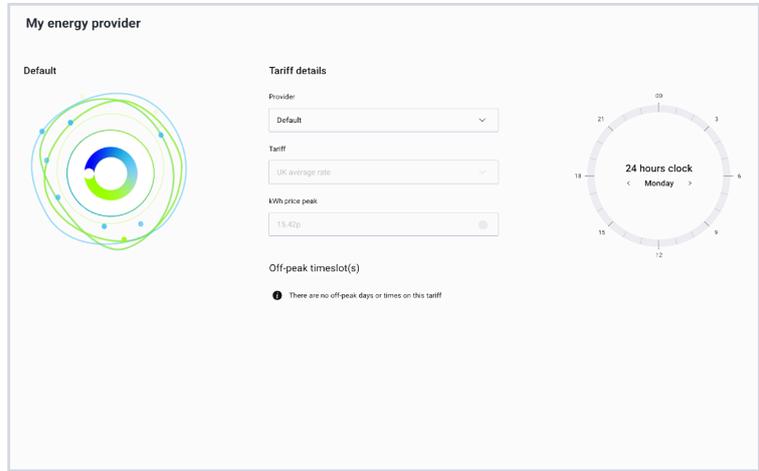
- Time and date
- Energy added
- Estimated cost
- Energy
- Charge duration
- Energy provider
- Tariff



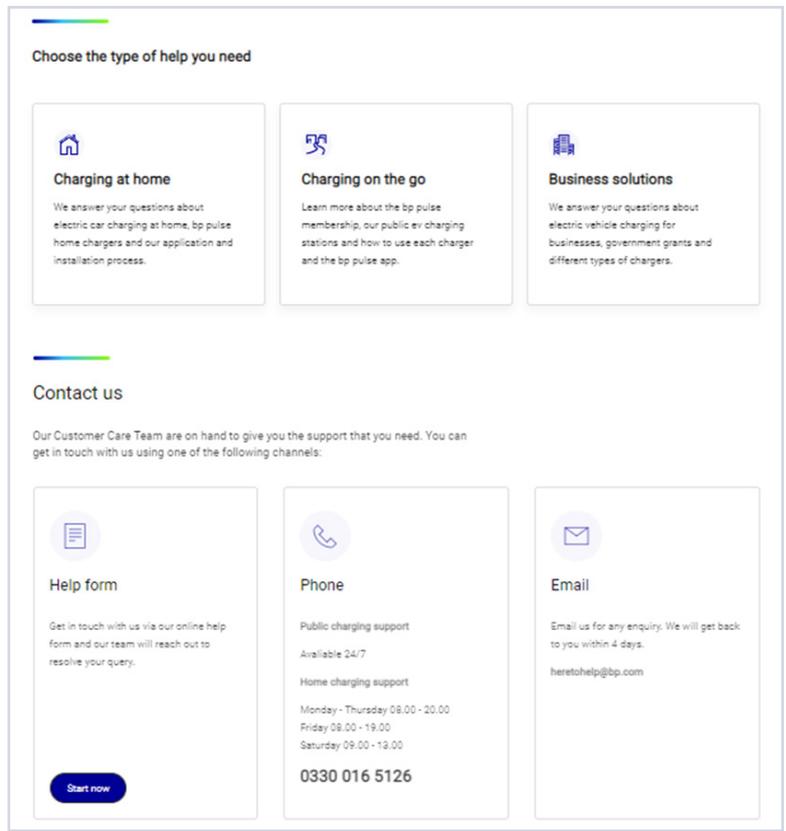
6. My home charger this is where you are able to enable/disable your charger and set LED brightness.



7. **My energy provider** will allow you to set and manage your energy provider and gives details of the off-peak and peak rates.



8. **Help** page will take you to the universal 'Help Centre' on the bp pulse website.



Specifications

| | Single Phase | | Three Phase | |
|-------------------------------------|----------------------------|----------------------------|---------------------|------------------------|
| Product codes | HCW7T1 HCW7T2 HCW7S2 | HCG7T1 HCG7T2 HCG7S2 | HCW22T2 HCW22S2 | HCG22T2 HCG22S2 |
| Input | 220-240 VAC 50/60Hz | | 400 VAC 50/60Hz | |
| Rated Current | 1P + N + E 32A @20% | | 3P + N + E 32A @20% | |
| Connectivity | Wi-Fi, Ethernet | 4G, Wi-Fi, Ethernet | Wi-Fi, Ethernet | 4G, Wi-Fi, Ethernet |
| | 32 Amps 7.4kW | | 32 Amps 22kW | |
| Electrical output to vehicle | 220-240 VAC 50/60Hz | | 400 VAC 50/60Hz | |

General Specifications

| | |
|---|---|
| Socketed output connector Type 2 | Output charging connector Type 2 |
| Tethered output connector Type 1 | Output charging connector Type 1 on a 4.7m cable measured from the point the cable exists the unit to the end of the Type 1 connector |
| Tethered output connector Type 2 | Output charging connector Type 2 on a 4.7m cable measured from the point the cable exists the unit to the end of the Type 2 connector |

General Specifications

| | | |
|---|--|---|
| Safety and operational ratings | Operating temperature range -30°C to +50°C, Operating humidity range 5% to 95% non-condensing. Compliance to Standards, IEC 61851, IP rating IP54. | |
| 4G/LTE operating frequency band, subject to network connectivity | E-GSM 900, DCS 1800, UMTS Band I, UMTS Band VIII, LTE Band 1, LTE Band 3, LTE Band 7, LTE Band 8, LTE Band 20, GPS L1/GLONASSG1/BDS/Galileo E1 | |
| Mechanical Impact Protection Rating | IK08 | |
| Wi-Fi operating frequency bands, subject to network connectivity | Wi-Fi frequency 802.11 b/g 2.4GHz | |
| Maximum power transmission | Tx power +15.1dBm | |
| | Tethered | Socketed |
| Dimensions and weight | Shipping weight typically 6kg Width 176mm Nominal Height 495mm Nominal Max Depth 161mm | Shipping weight typically 4.6kg Width 176mm Nominal Height 495mm Nominal Max Depth 161mm |

Safety instructions

- Regularly inspect the unit, wall mounting, cable and plug. Do not operate if any type of damage is observed, this includes cracks, corrosion, breakage and any other type of physical defects.
- Know how to isolate the unit from the electrical supply in case of emergency. Ask the installer how to do so. In the event of a power isolation incident, always inspect the unit before attempting to reuse it.
- Unauthorised modifications or conversions are not allowed.
- pulse home chargers can only be used under the operating parameters specified at an ambient temperature between -30°C to 50°C.
- Installation of the product should only be completed by a trained electrician with the correct installation instructions.
- Only an authorised specialist and qualified personnel may open, disassemble, repair, alter or modify the pulse device. Unauthorised modification of the pulse equipment would render the manufacturer warranty void.
- Do not touch or insert any object into the unit's connector pins or the pins on your vehicle's charging socket.
- Keep pulse home charger away from any harmful chemical substances.
- Only use recommended cleaning products (see Maintenance section).
- Take care when using a jet wash or pressure washer near the unit.
- Do not jet wash or pressure wash the unit.
- Special precautions must be taken with electronic implants. Please contact your medical device manufacturer to find out the potential effects that the charging process may cause to it.
- Check your vehicle's owner manual before using your charger and follow the manufacturer's instructions.
- For socketed units, do not leave the cable plugged into the socket when not in use.
- Ensure cables are stowed properly to prevent tripping hazards.
- Only use the unit when the cable is completely unwound – do not use while the cable is coiled.
- Where necessary or appropriate, disabled people and people with health conditions or impairments that affect their ability to use the product, should only use the product under supervision and instruction by a person responsible for their safety.
- Children must not play with or use the unit.
- The functionality of the RCD, which protects the unit, should be checked at least every 3 months.

Connector recommendations

- Do not use cables if there is any sign of damage or fraying.
- Do not use the charging cable with an extension cable or an adapter.
- Unauthorised modifications or conversions are not allowed.
- Do not use extension leads or adapters.
- Keep the charging cable out of the reach of children.
- For Tethered units that are not in use, store the cable neatly around the unit and ensure the plug is secured within the holster.
- The cable should NOT be strained under any circumstances while connected to the vehicle.
- Never use force to disconnect the vehicle connector from the inlet or the equipment plug power outlet.
- Ensure the cable is unplugged and stowed before driving off.
- Ensure that connectors are free from dirt and other foreign matter before use.



Resetting your bp pulse home charger smart via the distribution board

If your charger fails to deliver charge to your electric vehicle, the first thing you should try is resetting it:

1. Disconnect the charging cable from your vehicle
2. Press down the function button for 10 seconds.
3. If the issue persists, set the Circuit Protection Device (CPD) of your charger in the distribution board to the 'Off' position and leave in the 'Off' position for at least 10 seconds.
4. Set the CPD to the 'On' position and allow two minutes for the unit to complete its start-up sequence.
5. Once the unit powers up, the status indicator will cycle through a sequence of colours, and then return to IDLE

If there's still an error after the reset, your unit may have developed a fault. Please make a note of your unit's serial number and contact our customer care team.



Troubleshooting and further assistance

If there is any sign of damage to the charger or it looks unsafe in any way, power it down immediately via the distribution board (see page 28) and contact our customer care team on **0330 016 5126**.



Car is not receiving a charge



Not all vehicles are compatible with scheduled charging from the charger



The cable will not disconnect from the vehicle (for tethered units)



The app will not connect to my charger



Loss of internet connection



Cable will not lock



Car is not receiving a charge

- Ensure that the vehicle is in the correct mode for charging. Refer to vehicle user manual.
- Release the charging cable from your vehicle and wait 20 seconds
- for it to reset. Then go through the 'starting a charge' process again.
- Make sure that the charger is in the correct status for charging. (See page 7 of this manual).
- Check the plug of the cable to make sure it is not damaged.
- For socketed units, check the socket on the charger to ensure there is no damage or blockage.



Not all vehicles are compatible with scheduled charging from the charger

- In this instance you may need to use the vehicles scheduling capacity rather than the chargers.
- We also recommend you use either the vehicle or the charger to schedule charging but not both at the same time.



The cable will not disconnect from the vehicle (for tethered units)

- Reset the unit – press and hold the Function button for 10 seconds and release.
- If resetting the charger does not release the cable, power down the charger via the distribution board (please see Resetting your pulse home charger via distribution page 28)
- Ensure that the vehicle is in the correct mode to be charged refer to vehicle user manual.



The app will not connect to my charger

- Check that your mobile device has internet connection.
- Check the FAQs section in the app for more information.
- Check App settings to ensure you are connecting to the correct charger via the settings section on the App.
- Reset your pulse home smart by pressing and holding down the Function button for 10 seconds before releasing. The pulse home smart may take up to 10 minutes to re-connect to your home Wi-Fi.



Loss of internet connection

- Check your home Wi-Fi router to ensure network is still available.
- Reset your pulse home smart by pressing and holding down the Function button for 10 seconds before releasing. The pulse home may take up to 10 minutes to re-connect to your home Wi-Fi.



Cable will not lock

- Check the plug of the cable to make sure it is not damaged.
- For socketed unit, check the socket on the charger to ensure there is no damage or blockage.
- Ensure that the vehicle is in the correct mode for charging. Refer to vehicle user manual.
- Make sure that the charger is in the correct status for charging. (See page 7 of this manual).
- Release the charging cable from your vehicle and wait approximately 20 seconds for it to reset. Then go through the 'starting a charge' process again.

Legal notices

The intention of this document is to be used as guidance to operate the charger. bp pulse reserves the right to make changes to the specifications and the processes of the device and documentation at any time without prior notice. The product imagery displayed throughout this document may not depict the exact product and are for illustration purposes only.

The intended use of the product pulse home is to enable the user to charge their electric vehicle through the cable tethered or their own compatible cable.

bp pulse's supply, installation and warranty of the charger is subject to the terms and conditions set out at the following locations:

For chargers supported by the OZEV Electric Vehicle Homecharge Scheme Grant and all other sales:

<https://www.bppulse.co.uk/terms-and-conditions-of-homecharge-purchase>

bp pulse uses Open Source software in some of its products, for information regarding

Open Source software please refer to:

www.bppulse.co.uk/pulse-home-open-source

Maintenance

- Ensure only a damp cloth is used for cleaning the bp pulse home charger smart.
 - Ensure the charger is kept clean
 - For tethered types, ensure the cable is wound securely on the pulse home unit using the fixings provided
 - Do not keep the cable plugged into the socket (for socketed units when not in use)
 - Do not jet wash the charger.
-

Decommissioning

The unit should only be removed by bp pulse certified engineers please contact customer services.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Please contact your local authority for further details of your nearest designated collection point.

We are part of the Valpak waste disposal scheme, contact number **0345 068 2572**.



This symbol on the product(s) and / or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge.

Warranty

This unit has a warranty for a period of 3 years from the date of installation, provided that the unit has not been tampered with and has been maintained correctly. The unit warranty does not cover against incorrect use. This warranty does not affect the statutory rights of the consumer. The warranty provided by bp pulse is subject to the terms and conditions found below.

<https://www.bppulse.co.uk/terms-and-conditions-of-homecharge-purchase>

Service

If you need any extra support, not to worry, our customer care team are here to help!

Contact our customer care team on **0330 016 5126**, visit the contact page at www.bppulse.co.uk or email us at heretohelp@bp.com

Certification

This unit is certified to meet the requirements of The United Kingdom and European Union with the following product marks:



This product meets EU and UK regulatory safety requirements. For further information please contact our customer care team via the contact page at

www.bppulse.co.uk or email us at **heretohelp@bp.com**.



UK Declaration of Conformity

Document Ref no: DoC-UK-03

We

Chargemaster Ltd (trading as bp pulse)
Breckland, Linford Wood, Milton Keynes, MK14 6GY, UK

declare under our sole responsibility that the product

| Equipment Model | Electric Vehicle Charging Station bp pulse home | |
|------------------------|--|--|
| Product variants | HCW7T1 | Home Wi-Fi 7kW Tethered Type 1 |
| | HCW7T2 | Home Wi-Fi 7kW Tethered Type 2 |
| | HCW22T2 | Home Wi-Fi 22kW (3Phase) Tethered Type 2 |
| | HCW7S2 | Home Wi-Fi 7kW Socket Type 2 |
| | HCW22S2 | Home Wi-Fi 22kW (3Phase) Socket Type 2 |
| | HCG7T1 | Home 4G 7kW Tethered Type 1 |
| | HCG7T2 | Home 4G 7kW Tethered Type 2 |
| | HCG22T2 | Home 4G 22kW (3Phase) Tethered Type 2 |
| | HCG7S2 | Home 4G 7kW Socket Type 2 |
| | HCG22S2 | Home 4G 22kW (3Phase) Socket Type 2 |

is in conformity with the provisions of the European Union Directives mentioned in this document.

Electromagnetic Compatibility Regulations 2016

Designated Standards:

| | |
|----------------------|--|
| IEC 61851-21-2: 2017 | EMC requirements for off board electric vehicle charging systems |
| IEC / EN 61000-4-2 | Electrostatic discharge |
| IEC / EN 61000-4-3 | Radiated RF immunity |
| IEC / EN 61000-4-4 | Electrical Fast transient burst immunity |
| IEC / EN 61000-4-5 | Surge immunity |
| IEC / EN 61000-4-6 | Conducted RF immunity |
| IEC / EN 61000-4-8 | Power frequency magnetic field immunity |
| IEC / EN 61000-4-11 | Voltage dips, short interruptions and voltage variation immunity |
| IEC / EN 61000-3-12 | Harmonic current emissions |
| IEC / EN 61000-3-3 | Voltage fluctuations and flicker |
| CISPR 32 / EN 55032 | Conducted emissions |
| CISPR 11 / EN 55011 | Radiated emissions |
| CISPR 16 / EN 55016 | Radio disturbance and immunity |



UK Declaration of Conformity

Document Ref no: DoC-UK-03

Electrical Equipment (Safety) Regulations 2016

Designated Standards:

| | | |
|--------------------|--|--|
| IEC 61851-1: 2017 | | Electric vehicle conductive charging system - General requirements |
| BS EN 61851-1:2019 | | |

Radio Equipment Regulations 2017

Designated Standards:

| | | |
|---------------|--|-----------------|
| EN 301 489-1 | | Radio EMC |
| EN 301 489-3 | | |
| EN 301 489-17 | | |
| EN 301 489-52 | | Radio Spectrum |
| EN 300 330 | | |
| EN 300 328 | | |
| EN 301 908-1 | | |
| EN 301 511 | | |
| EN 50364 | | Radio RF Safety |

RoHS Regulations 2012



EU Declaration of Conformity

Document Ref no: DoC-EU-03

We

Chargemaster Ltd (trading as bp pulse)
Breckland, Linford Wood, Milton Keynes, MK14 6GY, UK

declare under our sole responsibility that the product

Equipment Model

Product variants

Electric Vehicle Charging Station bp pulse home

| | |
|---------|--|
| HCW7T1 | Home Wi-Fi 7kW Tethered Type 1 |
| HCW7T2 | Home Wi-Fi 7kW Tethered Type 2 |
| HCW22T2 | Home Wi-Fi 22kW (3Phase) Tethered Type 2 |
| HCW7S2 | Home Wi-Fi 7kW Socket Type 2 |
| HCW22S2 | Home Wi-Fi 22kW (3Phase) Socket Type 2 |
| HCG7T1 | Home 4G 7kW Tethered Type 1 |
| HCG7T2 | Home 4G 7kW Tethered Type 2 |
| HCG22T2 | Home 4G 22kW (3Phase) Tethered Type 2 |
| HCG7S2 | Home 4G 7kW Socket Type 2 |
| HCG22S2 | Home 4G 22kW (3Phase) Socket Type 2 |

is in conformity with the provisions of the European Union Directives mentioned in this document.

Electromagnetic Compatibility Directive (2014/30/EU)

Harmonised Standards:

| | |
|----------------------|--|
| IEC 61851-21-2: 2017 | EMC requirements for off board electric vehicle charging systems |
| IEC / EN 61000-4-2 | Electrostatic discharge |
| IEC / EN 61000-4-3 | Radiated RF immunity |
| IEC / EN 61000-4-4 | Electrical Fast transient burst immunity |
| IEC / EN 61000-4-5 | Surge immunity |
| IEC / EN 61000-4-6 | Conducted RF immunity |
| IEC / EN 61000-4-8 | Power frequency magnetic field immunity |
| IEC / EN 61000-4-11 | Voltage dips, short interruptions and voltage variation immunity |
| IEC / EN 61000-3-12 | Harmonic current emissions |
| IEC / EN 61000-3-3 | Voltage fluctuations and flicker |
| CISPR 32 / EN 55032 | Conducted emissions |
| CISPR 11 / EN 55011 | Radiated emissions |
| CISPR 16 / EN 55016 | Radio disturbance and immunity |



EU Declaration of Conformity

Document Ref no: DoC-EU-03

Low Voltage Directive (2014/35/EU)

Harmonised Standards:

| | | |
|--------------------|--|--|
| IEC 61851-1: 2017 | | Electric vehicle conductive charging system - General requirements |
| BS EN 61851-1:2019 | | |

Radio Equipment Directive (2014/53/EU)

Harmonised Standards:

| | | |
|---------------|--|-----------------|
| EN 301 489-1 | | Radio EMC |
| EN 301 489-3 | | |
| EN 301 489-17 | | Radio Spectrum |
| EN 301 489-52 | | |
| EN 300 330 | | |
| EN 300 328 | | Radio RF Safety |
| EN 301 908-1 | | |
| EN 301 511 | | |
| EN 50364 | | |

RoHS Directive (EU 2015/863)

