



USER MANUAL

TRYDAN

Dear Customer, The entire V2C team would like to thank you for purchasing one of our e-Chargers. Our passion for design and innovation makes all our products leaders in technology and design. If you have any suggestions for improvement, you can send us an email to info@v2charge.com.

We hope you enjoy it. Thank you, the V2C Team.



V2C bears the CE symbol. V2C applies the corresponding declarations of conformity.



V2C complies with the ROHS directive (2011/65/EC). V2C applies the corresponding declarations of conformity.



Electrical and electronic equipment and its accessories should be disposed of separately from household waste.

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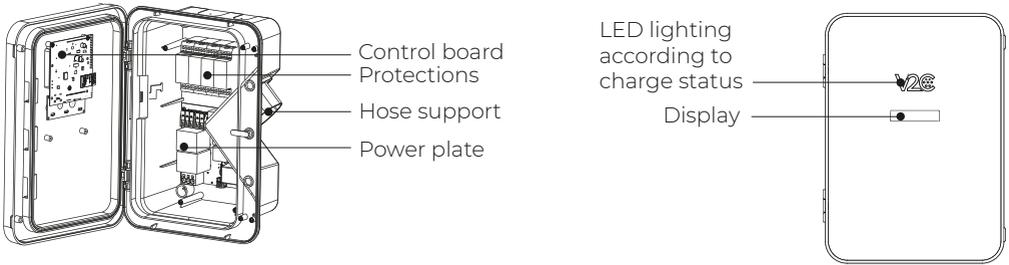
1. SAFETY WARNINGS

- The owner is obliged to comply with the safety instructions. V2C accepts no liability for any claims arising from such non-compliance.
- This mode 3 charging point is classified in accordance with section 5 of UNE-EN 61851-1 in an EV power supply system connected to an AC mains supply. Depending on the version chosen, the EV power supply system will be plug and cord or permanently connected. It can be used both outdoors and indoors, and can be used in both restricted and unrestricted access.
- Never use damaged, worn or dirty charging connectors.
- The owner shall ensure that the charger is always operated in perfect condition.
- The charging plug or connector (including the charging cable) and the charging station housing must be checked regularly for damage (visual inspection).
- In the event of a defect, the charging station must be disconnected and replaced.
- Repairs to the charging station are prohibited and may only be carried out by the manufacturer (e-Charger must be replaced).
- Do not make any unauthorized change or modifications to the charging station!
- The use of adapters or converters/prolongers is not permitted.
- Do not remove any identification such as safety symbols, warning signs, type plates, nameplates or line markings!
- Ventilation: Due to the possible release of toxic or explosive gases during the indoor charging process, some require an external ventilation system.
- Unplug the charging cable by pulling on the connector, never on the cable. Danger of damage!
- Never clean the charging station with a high-pressure water jet (hose, high-pressure cleaner, etc.)

2. LEGAL NOTICE

This manual is subject to change without notice. The images in this manual contained in this manual are representative and may differ slightly from the actual products.

3. GENERAL CHARACTERISTICS



e-Charger: Trydan

Color: Black

Material: Polycarbonate MVR

Weight: 2 kg (without hose) / 2,5 kg (with hose and protections)

Hose length: 5 m / 10 m

Hose type: Lisa / De muelle

Operating temperature: -15° a 45°

Storage temperature: -40° a 70°

Display*: 7"

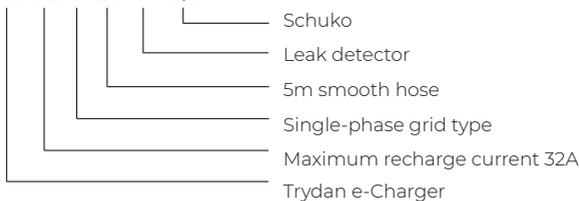
Illumination according to charge state.

*Depending on model.

Product number composition

Model		TRY
Intensity		32
Grid type		1
	└─ Monophase	3
	└─ Three-phase	L5
Hose type		L10
	└─ Smooth ┌─ 5m	M
		└─ 10m
	└─ Spring	S
	└─ Socket	P
Protections		SC
Schuko		
Accessories:		
Leak detector		V2C-F
Remote control		V2C-R
Cable support		V2C-SOP
Stand		V2C-PED

TRY32-1-L5-P-SC



4. V2C LED LIGHTING INDICATIONS.

The V2C logo on the front of the e-Charger lights up according to the charging status:

- White: the vehicle is not connected. White flashing: e-Charger disabled.
- Blue flashing: Vehicle is charging. The speed of the flashing is directly related to the directly related to the intensity of the charge.
- Light blue: Timer activated. Charging is scheduled.
- Green: Vehicle charging is complete. Green flashing: After configuring the internet, it reports that it is connected to V2C Cloud via WiFi.
- Red: Error 1 (Communication) or Error 2 (Message).
- Pink: the e-Charger is being updated.

5. V2C CLOUD

Download the App

From Android.

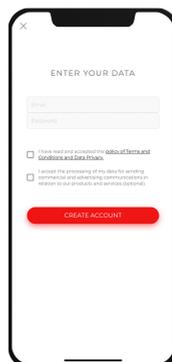
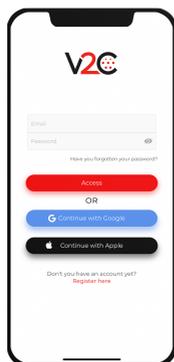


From iOS.



Create an account

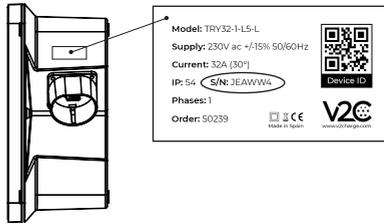
1. On the 'Login' screen click on 'Sign up here'. (You can also log in to the app using your Google or Apple account).
2. Enter your email and password and tap on 'Create account'.
3. Access the email address provided above and verify your account by clicking on the link.
4. Your account is now created. You can log in to the app with your email and password.



Add your e-Charger

1. On the main screen of the app, click on the '+' icon at the top right.
2. Enter the ID number of the charging point manually or by scanning the QR code on the sticker on the charger.

Find the label containing the serial number on the side of the e-Charger.



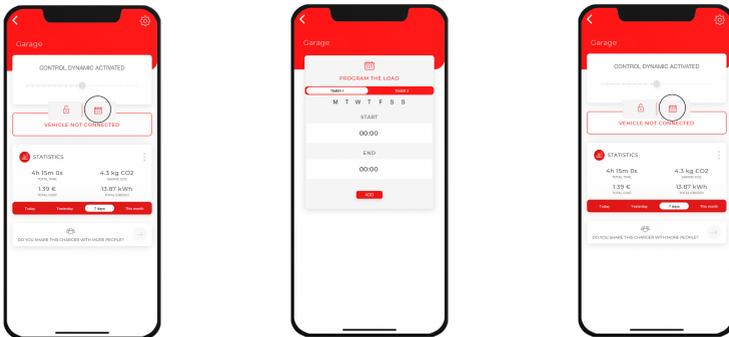
3. Add a name (you can change it later).
4. Click on "Add charger".

Program a charge

Charges can be programmed for Bluetooth or WiFi devices.

1. Access the app and tap on the charging point.
2. Click on the calendar icon. You have two timers: Timer 1 and Timer 2. Select the day of the week and the time you want it to be activated. You can work with both in combination. For example, Monday from 16:30-18:30 in timer 1 and Monday from 19:15 to 20:00 in timer 2. So that between 18:30 and 19:15 the recharging point will be stopped.

View statistics.



View statistics

- Global statistics of all our chargers: Click on the button at the top right.
- Statistics of a single charger: Select the e-Charger you wish to consult and then select the icon with the 3 dots.



Global statistics



Statistics of a single charge



Update your e-Charger

When your charger needs updating you will receive a notification. Make sure you have a stable WiFi connection.



1. Select the charger.



2. Click on the settings icon at the top right.



3. Scroll to the bottom of the page and click on 'Update firmware'.

If the 'Update firmware' option does not appear, this means that you already have the latest version.

6. DYNAMIC POWER CONTROL



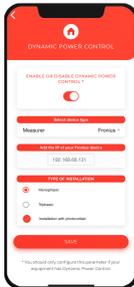
1. Log in to the V2C Cloud application.



2. Select the e-Charger and access its configuration.



3. Click on 'Dynamic power control'!



4. Activate dynamic power control and select the meter and type of installation.



5. Go back to the configuration screen and access 'Configure dynamic control'!



6. Specify the minimum recharge current (> 6 Amps) and maximum current (< 32 Amps). After select 'Configure installation power'.



7. Establish different time slots and the maximum contracted power. In the case of having a single power range, add the timetable from 00:00 to 24:00 both daily and at weekends. If it is a photovoltaic installation, indicate the operating mode in each time slot (PV + Minimum power, Exclusive PV or Grid + Photovoltaic).

7. ALEXA

Pair your Alexa device with your e-Charger for a voice-controlled, immersive technology experience.

Pair your e-Charger with Alexa by following the instructions below:

<https://v2charge.com/wp-content/uploads/2022/05/Link-Alexa.pdf>

Get to know Alexa's functional commands:

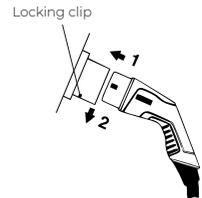
<https://v2charge.com/alex-functional-commands/>

8. FITTING AND REMOVAL OF THE HOSE

Positioning the hose

1. Insert the hose into the holder, leaving a small gap at the bottom so that it does not collide with the integrated locking clip.

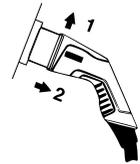
2. Slide the hose down to snap it into the integrated locking clip



Removing the hose

1. Slide the hose upwards to release it from the locking clip.

2. Pull the hose outwards, removing it out of the hose holder.



9. NAVIGATION MENU INTERFACE

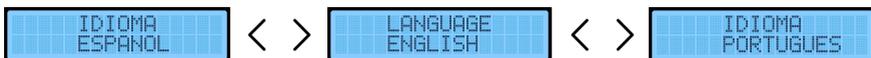
Trydan has two buttons at the top of the left side.

With these two buttons we can change the parameters (by long presses) and change the property we wish to modify (by short presses). The upper button is assigned to forward (+) and the lower one to backward (-).

To enter the configuration menu, both buttons must be held down for 2 seconds. The charger must not be locked.

Language

The first parameter that we can change is the language. With long presses, we can select between Portuguese, English or Spanish. Once the desired language has been selected, we will advance to the next parameter with a short press on the upper button.



Dynamic control

If you have a consumption meter connected to Trydan, you can select YES to the dynamic control so that the load intensity varies according to the current total consumption and the load is as efficient as possible. If you do not have such a meter, select NO and go to the 'Maximum intensity' section.



Type of installation

Trydan is able to communicate with most inverters on the market and thus manage the surplus of your photovoltaic installation. Therefore, we can choose between 4 modes: Single-phase, Three-phase, Single-phase-Photovoltaic and Three-phase-Photovoltaic.



Programmed mode

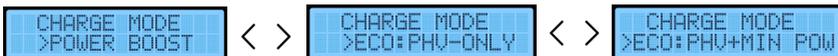
Indicates in which charging mode the Trydan is currently in.



Charging mode

With photovoltaic, we can tell the charger to adjust to our needs by means of three available charging modes:

- Maximum power (Grid + Photovoltaic)
 - Allows charging at maximum power, taking advantage of the available contracted power plus photovoltaic generation.
 - Recommended for use at night. As there is no production at night, the photovoltaic will be 0.
- Minimum power (PV + Minimum power)
 - In this mode, only a maximum of 1.5 kW from the grid + all the PV generation will be used.
 - The dynamic control is programmed to give priority to the house. There are several conditions that have an influence:
 1. If the consumption of the household is equal to the contracted power, it will stop using the minimum of 1.5 kW from the grid. The car will only charge with what is generated by the photovoltaic if solar energy is available.
 2. In case the car depends on the PV generation, it is important to stress as a general rule that the car needs at least 6A or 1.2 kW to start charging.
- Exclusive photovoltaic (Exclusive PV)
 - The car will only charge from the power being generated by the self-consumption PV system that is not required by the house. If it does not have enough PV power, charging will stop
 - Requires a decent solar installation, as the minimum charging power for an electric car is 1.2 kW.



You can consult the different photovoltaic operating modes at the following link:
<https://v2charge.com/photovoltaic-modes-of-operation/>

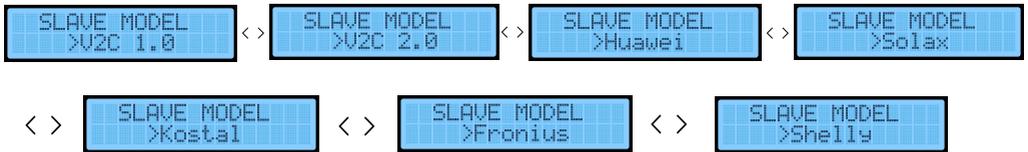
Slave model

Once the type of our installation has been chosen, we can select the data source from which Trydan will obtain the consumption data and, if necessary, photovoltaic generation.

The currently supported models are:

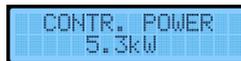
- V2C_1.0 (Previous slave not compatible with photovoltaic)
- V2C_2.0 ((New slave with three-phase integration and PV on three-phase)
- Huawei SUN2000 Inverters
- Solax Inverters
- Kostal Inverters
- Fronius Inverters
- Shelly (single-phase or three-phase)

A specific manual is available for the installation and integration of each one of the inverters.



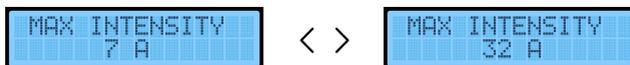
Contracted power

After selecting our slave, we must indicate the contracted power. This power will be the maximum limit of the total consumption that Trydan will use to adjust the load current. This limit can be modified and programmed by hours through the V2C Cloud APP, so if this parameter is modified from this menu, this programming will be DELETED.



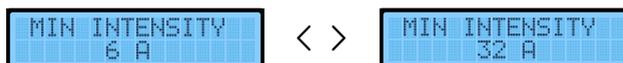
Maximum intensity

Once the programmed power has been configured, we can select the maximum intensity at which we want the dynamic control to act. If the consumption of the home allows it, this intensity will be the maximum intensity at which Trydan will charge your vehicle (Limit 7 - 32A).



Minimum intensity

Once the maximum current has been set, we can now select the minimum current we want the dynamic control to operate at. If the consumption is too high to maintain this minimum current, Trydan will stop charging until the total consumption is low enough to charge our car at this current. It is therefore advisable not to set this parameter too high (Lim. 6 - 32A).



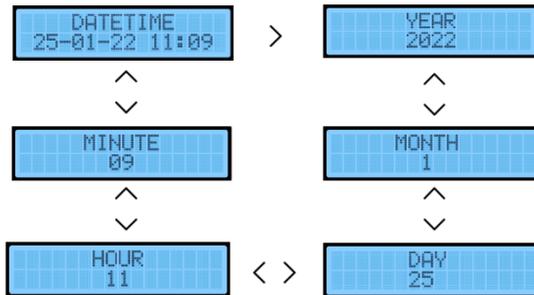
Identification number

The following parameter cannot be changed. This is the unique identification number of your Trydan. This code is also indicated on the sticker on the side of the e-Charger. With this code you can link the charger to your V2C Cloud account.

```
DEVICE ID
ABCDEF
```

Device date

After the identifier, the current date of the device is displayed and can be changed manually in the order of YEAR, MONTH, DAY, HOUR and MINUTES. This time is updated every time Trydan connects to the internet or to a smartphone via Bluetooth, so it will not be very common to need to change it manually.



Communication status and programming

The next parameter displayed is immutable. It will show both the WiFi communication status and if there is any time schedule for charging. If the equipment does not have an Internet connection, please refer to section 'LED illuminated logo status'.

```
STATUS
WIFI: YES, PRG: YES
```

IP Number

This parameter is also immutable and is only shown if there is a correct connection to the Internet. It shows the local IP that our router has assigned to Trydan.

```
IP
192.168.1.205
```

LED illuminated logo status

The last modifiable parameter in the menu is the status of the V2C logo. You can deactivate the illumination of the logo.

```
NO LOGO LED >YES < > >NO LOGO LED YES
```

Enable shortcut

This option allows us to permanently disable the buttons on the left side of the e-Charger. These buttons allow us to:

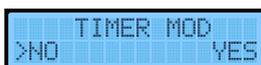
- Lock and unlock the charger, by long pressing the bottom button for 3 seconds.
- Access the charger menu and review all the steps previously mentioned in this manual.
- Disable and enable a scheduled charging, by long pressing the top button for 3 seconds.



ENABLED SHORTCUT
NO >YES

Timer mode

This option should only be enabled if our car does not charge the instant it is connected or when it has a scheduled charge. Renault ZOE and Dacia Spring are two electric vehicle models that do not charge instantly. If you have one of these models, you must activate the timer for the car to start charging.



TIMER MOD
>NO YES

Three-phase charging

This mode is available if you have a three-phase charger on a three-phase installation. If we choose 'No', it converts the three-phase charger into a single-phase charger, a recommended option if we have low power contracted.



THREEPH. CHARGE
NO >YES

After configuring this parameter, if necessary, the equipment will restart. It is recommended not to charge the vehicle while performing this manipulation, although this would not be a critical problem.



RESETTING

Note: All these settings can be made from the V2C Cloud app.

10. SUPPORT

In the following link you can find frequently asked questions and useful information when setting up and using your e-Charger: <https://v2charge.com/trydan/support/>

At V2C we have a **Technical Support Centre**. Enter the following link, fill in the required fields and we will contact you as soon as possible:

<https://v2charge.atlassian.net/servicedesk/customer/portal/3/group/4/create/12>

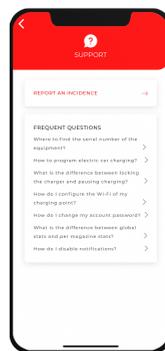
You can also access the Technical Support Centre through the V2C Cloud app:



1. Click on the User icon.



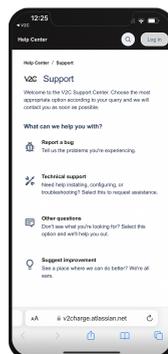
2. Click on the Support section.



3. Select 'Report an incident'.



4. Click on 'Submit ticket'.



5. Select the 'Technical Support' option.

You can also contact our Technical Support department on +34 64 420 49 92.

CHARGING UP

YOUR TOMORROW