



RTM75 – 75kW Operating Manual

INNOVATING YOUR FUTURE

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Important safety instructions

SAVE THESE INSTRUCTIONS

This manual contains information on how to operate the RTM75 - 75kW electric vehicle (EV) fast charger models:

- TRI153-RTM-01
- TRI153-RTM-02

For assistance with operation of the charger, contact the charger operator or Tritium Customer Support.

Note: Images used in this manual are examples only and may differ slightly from actual implementation.

Identifying symbols



CAUTION



RISK OF ELECTRIC SHOCK

CAUTION

The RTM75 - 75kW EV fast charger must be installed and serviced only by qualified electrical personnel.



CAUTION

In the event of a circuit breaker trip, the charger must be inspected by a Tritium-certified service agent before the charger is re-energised.

Operating temperature:

-35° to 50°C / -31° to 122°F

Storage temperature:

-35°C to 70°C / -31° to 158°F

Weather rating:

IP65 Electronics Enclosure
NEMA Type 4

Operating instructions

Charging your vehicle with the RTM75 - 75kW EV fast charger is safe, secure, and easy to do with industry standard plugs and a simple interface that guides you through the charging process.

The RTM75 - 75kW charger offers two different charging plugs, the CHAdeMO and the Combined Charging Standard (CCS).



Activation security

Payment authentication can be started before connecting the charger to your vehicle or after connecting the charger.

The RTM75 - 75kW charger is designed to activate and secure your individual charging session through card recognition, APP, or SMS.

After activation authorisation is recognised you have a certain timeframe to begin your charging session.

Using the interface panel

The interface panel:

- has icons and buttons that control the charging session.
- shows charging information.

These icons:

- are highlighted to prompt an action or selection.
- display a tick when the expected action is completed.

At certain times you hear audio feedback to assure you that certain functions are successful.

The minutes shown on the display show how long your car has been charging.

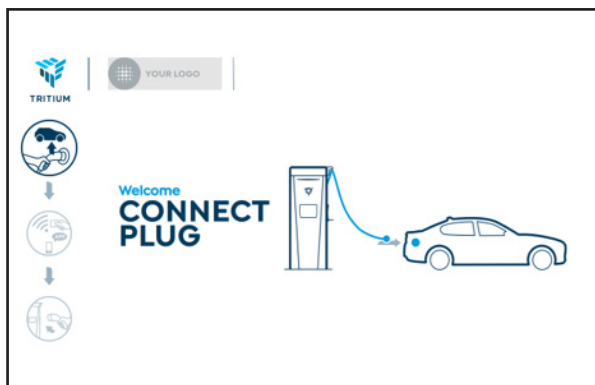
You have ample time to make your selections, however if the charger has been idle for too long without making a selection, it returns to being available for other users.

At any stage, return the plug to the plug holster to end your charging session.

Operating Instructions:

Option A — Connect plug before payment authentication

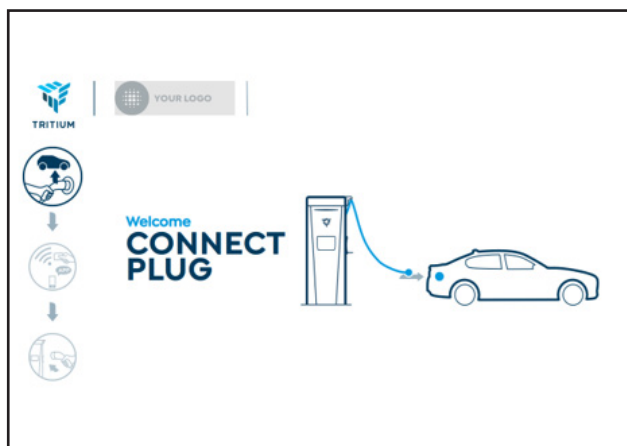
The interface panel



For the purpose of this manual, the RTM75 - 75kW charger interface panel ACTIVATION icon includes APP and SMS. If these icons are not shown on your model, they are not available for use.

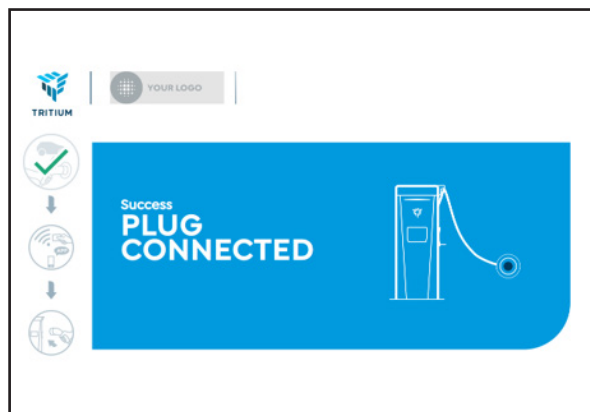
1. Connect plug to car

The following screen displays when the unit is available for use, and the plug icon is highlighted.



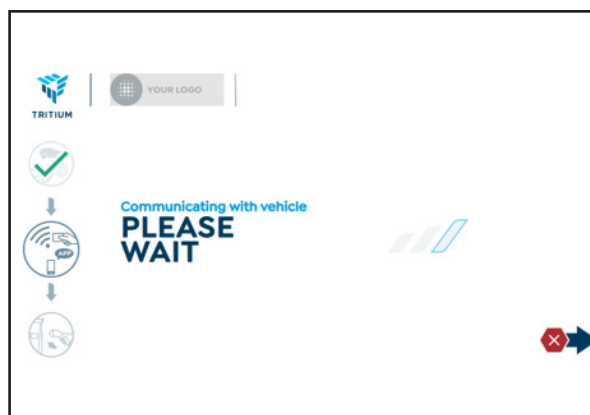
2. Connected

When the plug is connected to the car, the plug icon shows a tick.



3. Communication

The charger checks the communication with the vehicle.

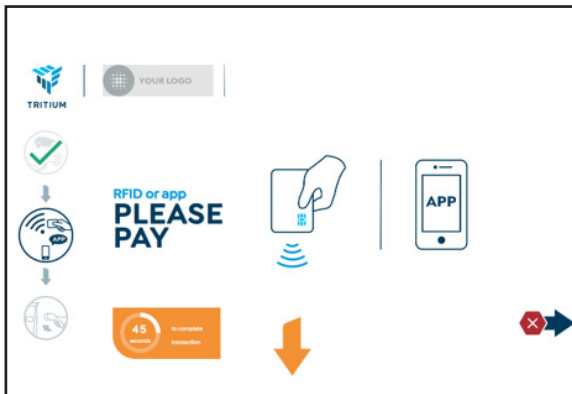


Operating Instructions:

Option A — Connect plug before payment authentication

4. Authentication

The charger requests payment authentication. The plug icon is ticked, and the pay icon is highlighted.

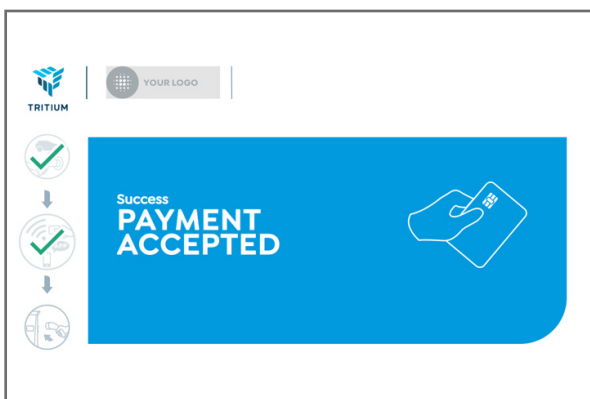


Swipe your bank or RFID card over the payment terminal.

The charger processes the payment.

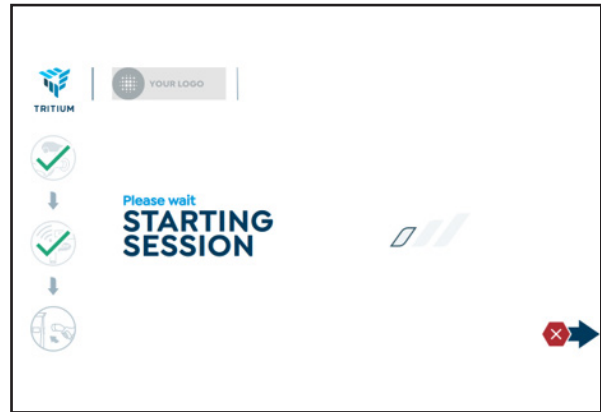


On successful payment, the pay icon shows a tick.

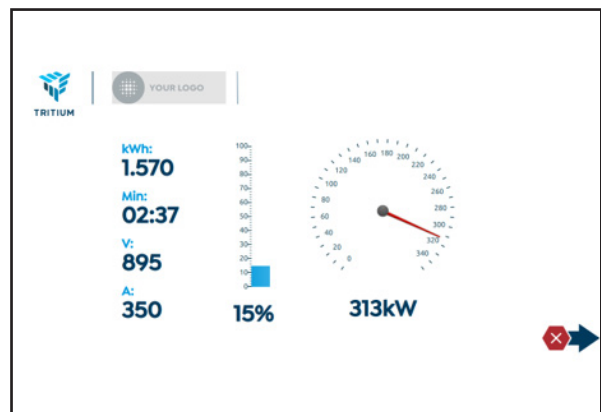


5. Charge session

The charger starts the charge session.



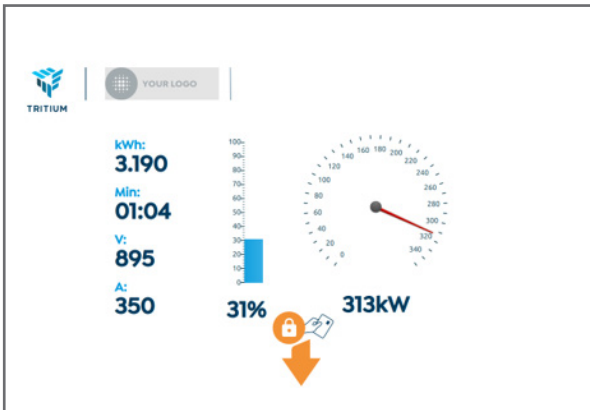
The charge session starts successfully. The active session and the arrow for the stop button are displayed.



Operating Instructions:

Option A — Connect plug before payment authentication

After 30 seconds of dispensing energy, the charger locks. The active session and the unlock icon are displayed.



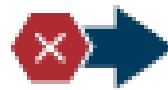
Swipe your bank or RFID card over the payment terminal to unlock the session and complete payment.

The charge session unlocks.
The active session and the arrow for the stop button are displayed.

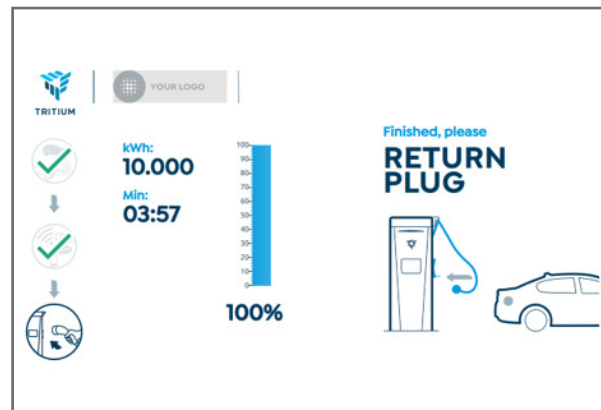
6. Complete charge

The charge session is automatically terminated when the maximum charge level of the electric vehicle is reached.

To terminate the session at an earlier point, use the button that is aligned with the stop icon.

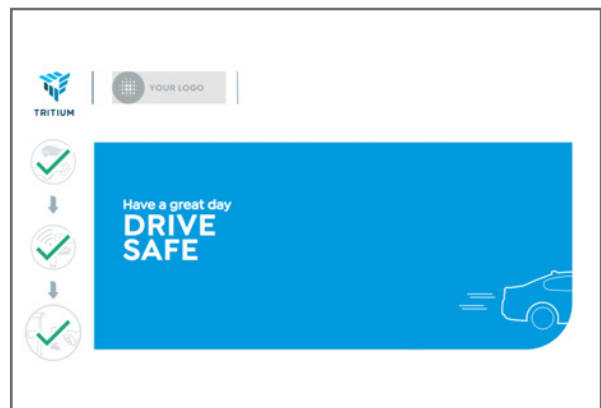


The return plug icon is highlighted.



7. Return plug to car

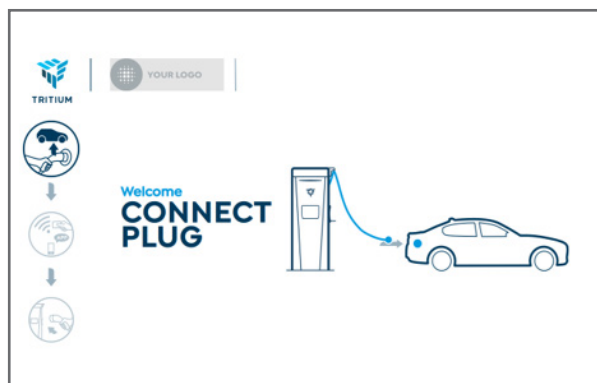
The charger detects the plug and the return plug icon shows a tick.



Operating Instructions:

Option B — Connect plug after payment authentication

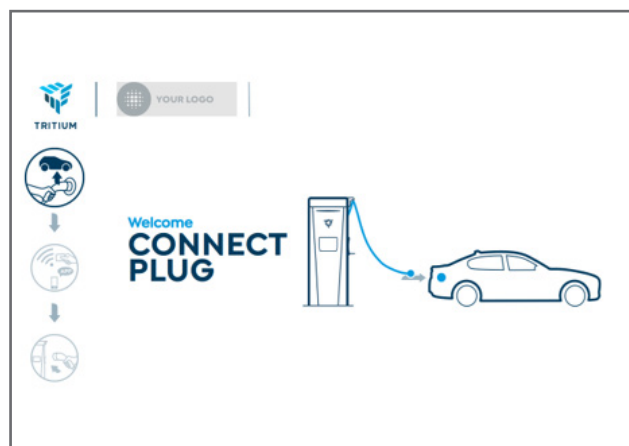
The interface panel



For the purpose of this manual the RTM75 - 75kW charger interface panel ACTIVATION icon includes APP and SMS. If these icons are not shown on your model, they are not available for use.

1. Ready to use

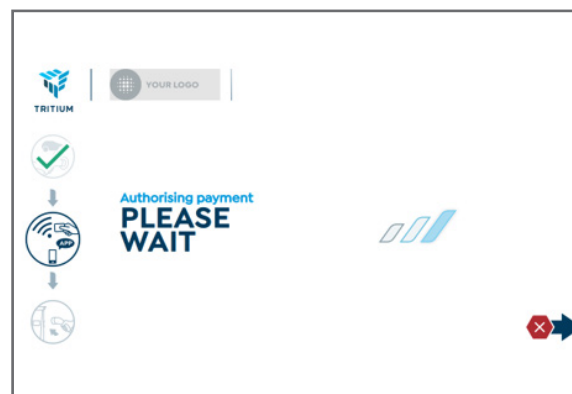
The following screen displays when the unit is available for use, and the plug icon is highlighted.



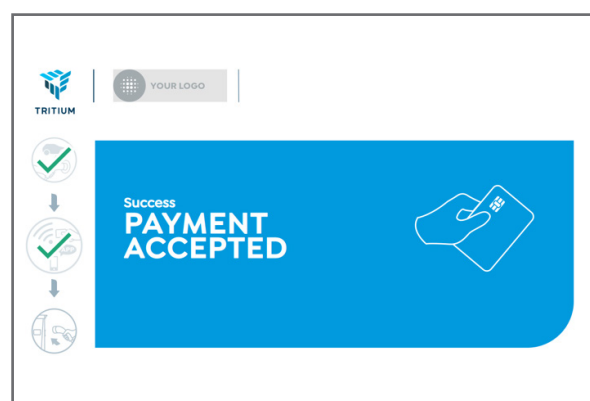
2. Authentication/payment

Swipe your bank or RFID card over the payment terminal.

The charger processes the payment.



On successful payment, the pay icon shows a tick.

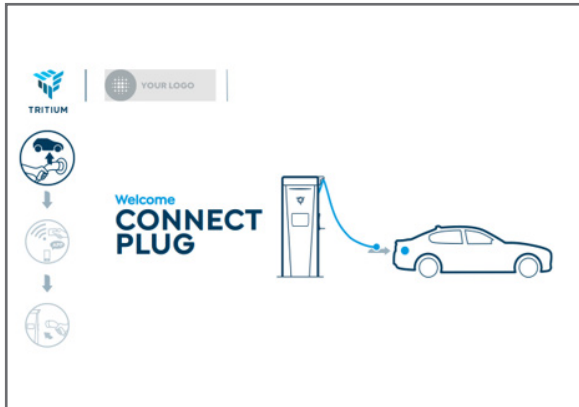


Operating Instructions:

Option B — Connect plug after payment authentication

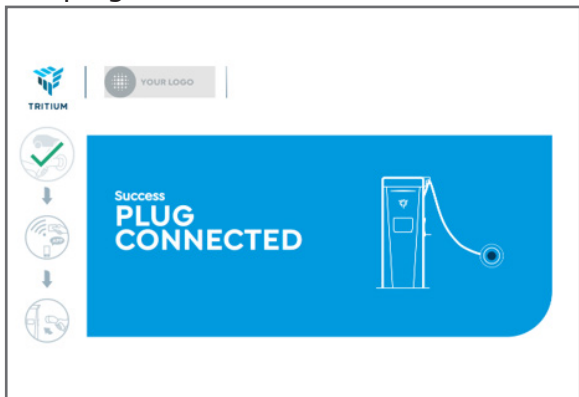
3. Connect plug to car

The following screen displays when the unit is available for use, and the plug icon is highlighted.



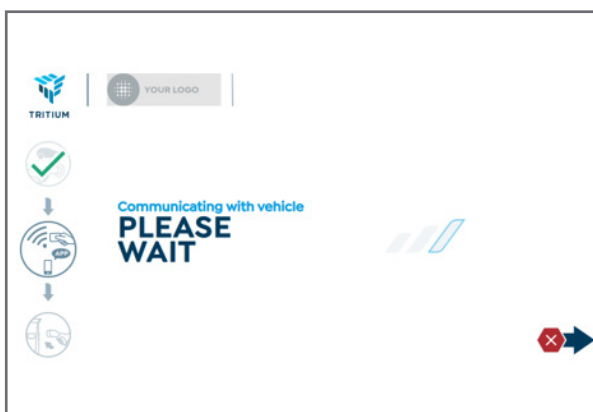
4. Connected

When the plug is connected to the car, the plug icon shows a tick.



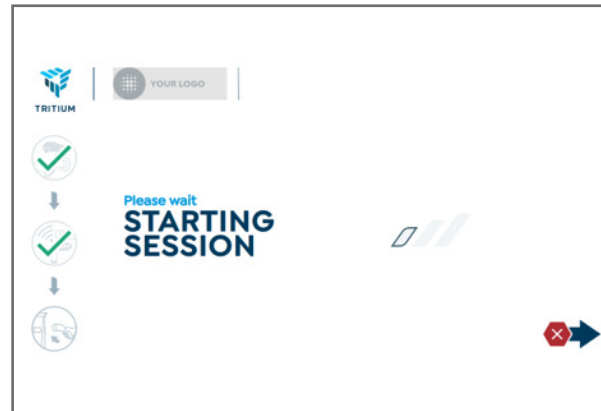
5. Communication

The charger checks the communication with the vehicle.

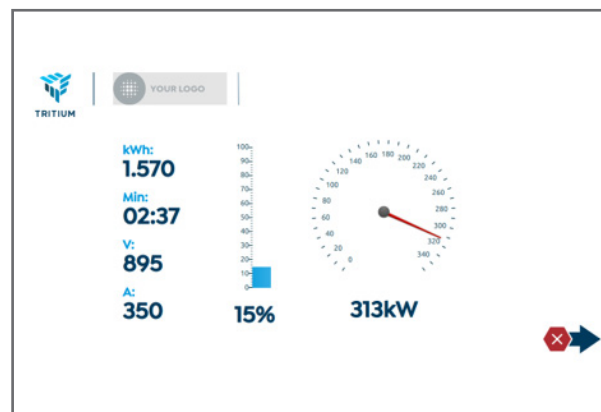


6. Charge session

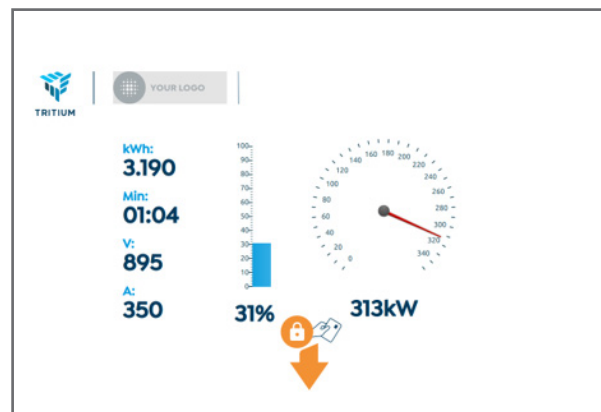
The charger starts the charge session.



The charge session starts successfully. The active session and the arrow for the stop button are displayed.



After 30 seconds of dispensing energy, the charger locks. The active session and the unlock icon are displayed.



Operating Instructions:

Option B — Connect plug after payment authentication

Swipe your bank or RFID card over the payment terminal to unlock the session.

The charge session unlocks.
The active session and the arrow for the stop button are displayed.

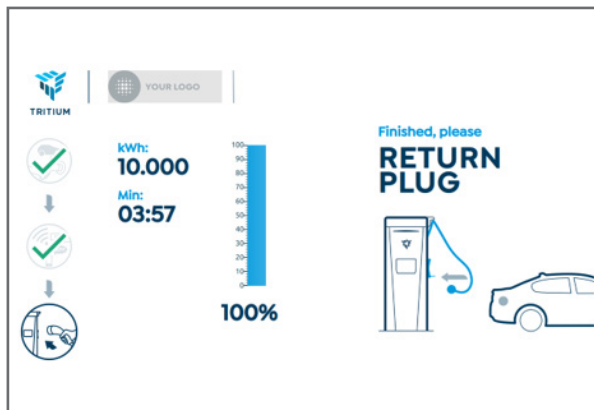
7. Complete charge

The charge session is automatically terminated when the maximum charge level of the electric vehicle is reached.

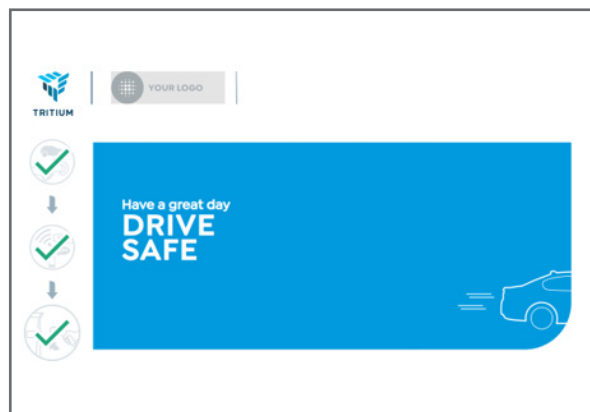
To terminate the session at an earlier point, use the button that is aligned with the stop icon.



The return plug icon is highlighted.

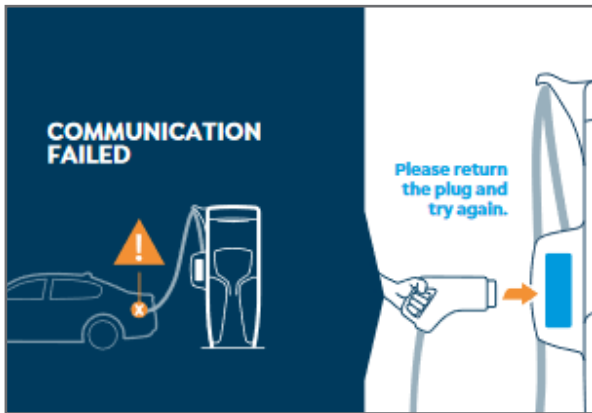


8. Return plug to car
The charger detects the plug and the return plug icon shows a tick.



Troubleshooting

1. Communication failed

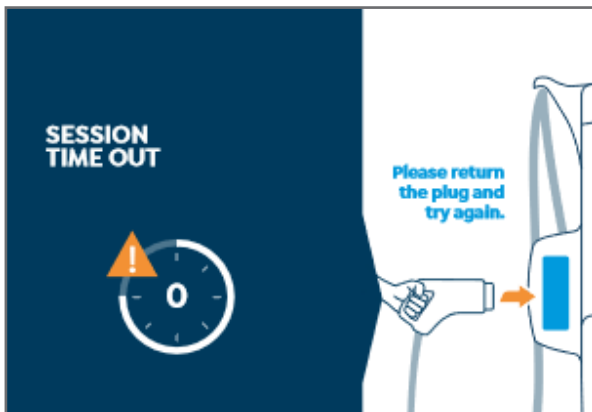


Possible communication failure between charger and vehicle.

This session failed to start.

Return the plug to the charger and try again.

2. Session time out



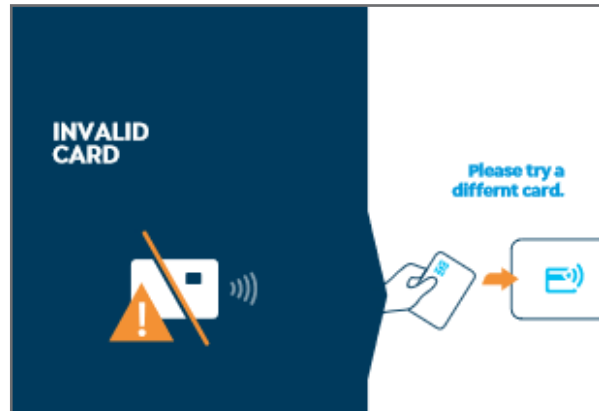
Possible reasons:

- Session time out
- Communication interruption

Session time out is triggered if there is no interaction received for 240 seconds.

Return the plug to the charger and try again.

3. Invalid card



Possible reasons:

- Invalid bank card or payment provider
- Payment declined
- No price settings in terminal configuration
- RFID not enabled/network not accepted
- Different card used from the original card used to authenticate
- Incorrect card scan

Retry the card, or use a different card.