

# LABELLING FOR ELECTRICALLY RECHARGEABLE ROAD VEHICLES AND CHARGING INFRASTRUCTURE

## GENERAL INFORMATION

In order to help consumers understand the new EV labels appearing on new vehicles and what that means for charging, the European Union has agreed on new labelling requirements for newly produced vehicles and charging stations. As of **20 March 2021**, a new harmonised set of labels to help identify compatible recharging options for electric road vehicles will appear across Europe.

These labels will be placed:

- on newly-produced vehicles near each vehicle charging location and on each charging plug,
- on detached charging cables,
- in the vehicle owner's manual or in the electronic handbook,
- on EV charging stations adjacent to the socket-outlet or to the storage location of the vehicle connector cable, and
- for information, in vehicle dealerships.

## I AM TRAVELLING ABROAD. Will I FIND THE LABELS IN THE CHARGING STATIONS OF THE COUNTRIES I DRIVE THROUGH?

The new labels will be deployed in all 27 European Union member states, EEA countries (Iceland, Lichtenstein and Norway), and also North Macedonia, Serbia, Switzerland and Turkey.

## WHAT ABOUT THE UK AFTER BREXIT?

It is up to the UK to decide the way in which EU rules will apply after Brexit, but newly produced vehicles will have the labels fitted on the production line so vehicles entering the UK market will have the labels.

## WHICH VEHICLES ARE CONCERNED BY THIS LABELLING REQUIREMENT?

When it comes to road vehicles, the labels will appear on newly produced electrically rechargeable vehicles in the following categories:

- Mopeds, motorcycles, tricycles and quadricycles;
- Passenger cars;
- Light commercial vehicles;
- Heavy-duty commercial vehicles;
- Buses and coaches.

## ARE VEHICLES OF ALL AGES CONCERNED?

**No.** The European legislation requires the labels only for the new vehicles placed on the market for the first time or registered as of 20 March 2021. Vehicle manufacturers do not recommend fitting the labels to any older vehicles.

## WHEN WILL THESE LABELS BE VISIBLE IN EU MEMBER STATES?

As of **20 March 2021**, the label will be placed on all newly produced electrically rechargeable vehicles (i. e. battery electric and plug-in hybrid-electric vehicles) and on all European Union charging stations in a clear and visible manner for consumers. Since this is a compliance date, vehicle manufacturers and charging stations operators will start to introduce these labels over a transitional period prior to that date.

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## HOW DO THESE LABELS WORK?

The label is simply a visual tool to help consumers verify that they correctly select an appropriate charging option for their vehicle. Consumers will only need to match the label of their vehicle with the corresponding label on the charging station.

The shape for all electrical interfaces is a regular and horizontal hexagon. The electrical interface is categorized by a symbol. The symbol consists of a single letter in normal Latin script.

### Colour scheme for electrical interfaces:

- for the vehicle connector and vehicle inlet, in a white / silver symbol with black internal background and a white / silver outline.
- for the plug and socket-outlet, in black symbol with a white / silver internal background and a black outline.



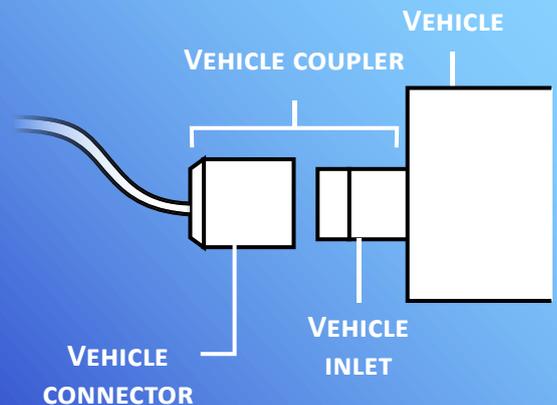
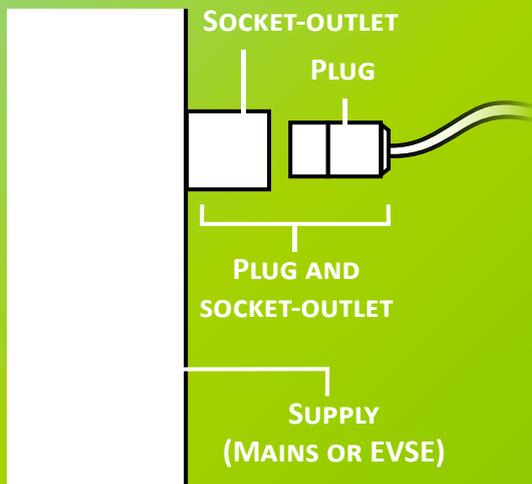
### EV CHARGING STATION SIDE

Identifier for plug and socket-outlet



### VEHICLE SIDE

Identifier for vehicle connector and vehicle inlet



## LABELLING FOR ELECTRICALLY RECHARGEABLE ROAD VEHICLES AND CHARGING INFRASTRUCTURE (ANNEX)

### IDENTIFIERS FOR AC CHARGING

CONFIGURATION	TYPE OF ACCESSORY	VOLTAGE RANGE	IDENTIFIER
	Home plug, Home socket; Industrial plug and socket-outlet		No graphical expression
TYPE 1	Vehicle connector and vehicle inlet	≤ 250 V RMS	
TYPE 2	Vehicle connector and vehicle inlet	≤ 480 V RMS	
TYPE 2	Plug socket outlet	≤ 480 V RMS	
TYPE 3-A	Plug socket outlet	≤ 480 V RMS	
TYPE 3-C	Plug socket outlet	≤ 480 V RMS	

### IDENTIFIERS FOR DC CHARGING

CONFIGURATION	TYPE OF ACCESSORY	VOLTAGE RANGE	IDENTIFIER
FF	Vehicle connector and vehicle inlet	50 V – 500 V	
		200 – 920 V	
AA	Vehicle connector and vehicle inlet	50 V – 500 V	
		200 V – 920 V	
TYPE 2a	Vehicle connector and vehicle inlet	50 V – 500 V	