

Factsheet

Temporary charging processes for electric vehicles

When obtaining a Stand Construction Authorisation, the event organiser and Messe Frankfurt's Technical Event Management department must be notified in writing of any temporary charging processes for electric vehicles during an event at least six weeks before the start of set-up. Vehicles cannot be charged until such activities have been approved and proper authorisation has been received. In addition to the terms and conditions for electric vehicles at exhibitions, the following provisions must be complied with:

The only vehicles for which charging processes are permissible are production vehicles that have been approved by Germany's Federal Motor Transport Authority (KBA). The charging of prototypes is prohibited.

Specially trained personnel must be present during the charging process who are able to undertake any necessary measures in the event of danger. During the presentation itself, the switching process must be initiated and overseen by someone who has been properly instructed in servicing this vehicle, and the process must then be stopped following the presentation by someone with these same qualifications.

The top level of the stand construction (floors and wall coverings) in the direct vicinity (i.e. within a two-metre radius) of the charging station must employ non-flammable materials and should have zero fire load.

It must be ensured that the effectiveness of any automatic fire-extinguishing systems already present in the building is not impaired in the vicinity of where the charging process (i.e. the charging station and the vehicle) takes place. If this is not the case, a separate sprinkler system is required.

The charging station comprises an extension of the electrical system and must therefore be set up solely by electrical technicians in accordance with the applicable rules and regulations. This ensures that the necessary safety features – including a residual current device (RCD) – are integrated into the overall installation.

There must be sufficient suitable extinguishing agent kept at the stand for the electric cars being exhibited.

For vehicles with both electric motors **and** combustion engines, the fuel tank should be practically empty and locked.

The exhibitor must undertake technical measures to ensure that the vehicle cannot be moved either intentionally or unintentionally during the charging process.

The positions of the electric vehicles (with alternative drive technology) within the stand area are to be noted on a separate plan.

To ensure efficient support for the fire brigade in the event of a fire involving an electric vehicle, the rescue data sheets (rescue cards) containing information on locating the batteries etc. must be kept at the stand and made available to Messe Frankfurt in advance.

The charging of electric vehicles in foyers with emergency escape routes, necessary stairwells or exits leading outdoors is not permitted.

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