

Supplementary Bulletin

Electric vehicle charging

Supplementary to the "Organizational and Technical Regulations" IAA TRANSPORTATION 2022"

Planned charging of electric vehicles for the event must be notified to the Technical Event Management of Deutsche Messe AG at least four weeks before the start of set-up.

In addition to the conditions for exhibiting motor vehicles stated under point 5.5 of the Organizational Technical Regulations, the following points must be observed for on-site charging:

General information:

- Charging operations in foyers, entrances, necessary corridors or similar are not permitted.
- Charging operations are only possible in rented areas.
- Movement of the vehicles during the charging process must be excluded.
- Pre-series models or prototypes may be charged if the charging infrastructure used or the components used for the charging process correspond to those of an approved series-produced vehicle. Experimental charging infrastructures may not be used in the hall for charging vehicles.
- DIN VDE 0100-722 (power supply for electric vehicles) and VDS Guideline 3471 (charging stations for electric vehicles) must be complied with.

Construction information:

- Charging stations and vehicle must be placed as close as possible to a hall aisle, but at least accessible via an internal aisle ≥ 1.25 m from the hall aisle.
- Other vehicles on display must maintain a clear distance of at least 2.50 m from the charging vehicle.
- At least 3 fire extinguishers with suitable extinguishing agents (water), each with an extinguishing capacity of at least 6 extinguishing units, must be kept available in the vicinity of the charging electric vehicle.
- With regard to fire protection, the building materials used in stand construction must be at least flame retardant, see also Organizational and Technical Regulations point 3.14. The installation of normally flammable materials, e.g. brochure stands, within a radius of 2.00 m around the vehicle may be approved, provided it is only for daily use. Highly flammable materials may not be placed within this radius (e.g. disinfectant dispensers).
- The charging station represents an electrical installation and must therefore be carried out exclusively by a qualified electrician in compliance with the relevant regulations. This ensures that the safety functionality, including the residual current device, is integrated into the overall installation. Further information on installation can be found in the Organizational and Technical Regulations, point 4.2.
- The mains connection of a single charging station is limited to a maximum of 400 V / 125 A (AC).
- Each individual charging station is to be connected to a separate supply line and connected directly there, without the use of multiple sockets or similar. Only extension cables and adapters approved for charging electric vehicles are to be used.
- In case of fire development it must be possible to switch off the charging station using a manual switch that is accessible at any time. The location of the switch must be known to the stand personnel and must not be in the immediate vicinity of the charging station.
- If the supply line is laid under a raised floor, the surrounding cavity is to be sealed with non-combustible building materials (mineral wool or similar) in a radius of at least 2.00 m, starting from the charging station or the electric vehicle, but at least up to the nearest and flush-fitting massive bar of the substructure. The material must be secured in position.
- It is not permissible to lay the couplings of the supply lines below the exhibition stand floor.

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- Superstructures above (overhead) charging stations are not permitted in order to allow for thermal relief.

Organizational information:

- The position of the vehicle to be charged must be notified to Deutsche Messe, TEM in the form of a stand design drawing before the start of the event. In order to support the fire brigade in case of a fire, rescue cards with information on batteries etc. must be deposited at the stand and made available to TEM in advance
- The charging process may only be carried out under the supervision of an instructed specialist during the event. Unattended charging overnight must be ruled out. If vehicles are to be loaded overnight, the supervising person (night guard) shall be instructed with regard to the following points:
 - Location of charging station
 - Position of the emergency switch for switching off the charging station
 - Position of the hand-held fire extinguishers as well as the nearest alarm system
 - other possible stand-specific hazards

In the event of non-compliance with the aforementioned points or identified violations, the operator of the stand will be requested to remedy the deficiencies. The VDA and Deutsche Messe reserves the right to take further measures.

If you have any further questions, please do not hesitate to contact the Technical Event Management of Deutsche Messe AG.

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