A safe charging zone must meet at least the following conditions:

• place Battery Chargers on non-flammable surfaces (eg. Shelves, bases and / or

  floors) and against to walls

  (Eg. Not against sandwich panels with flammable isolation core)

• Respect a safety zone with a radius of about 5m around the battery chargers and forklift trucks. No flammable goods should thus be in this radius.

• Plug Battery Chargers onto the circuit with individual standard plugs and secure plugs on circuits with a with preferably a RCD (Differential breaker max. 300mA).

• Check the good condition of cables and connectors, if damage immediately

  repair and / or replace

• The connection cables should have suspension systems so that they are either during loading, nor in disconnected state, can get in contact with the

  floor. The pliers and cables must always be maintained in perfect condition to avoid short circuits and overheating.

• Keep Dust away from load groups and provide sufficient cooling; they don’t serve as a shelf

• the charging of the batteries of forklift trucks and electric pallet trucks should

  to be carried out in a well ventilated building provided with sufficient extinguishers

  (Discharge hydrogen released)

• Legal requirements relevant (interior premises, arrangement traction batteries, electric

   installations cf. ARAB CODEX, VDE, KB March 26, 2003 (ATEX), VLAREMII)

• Smoke detection with switch-off function of the battery chargers and direct reporting to

  an alarm central is advised.