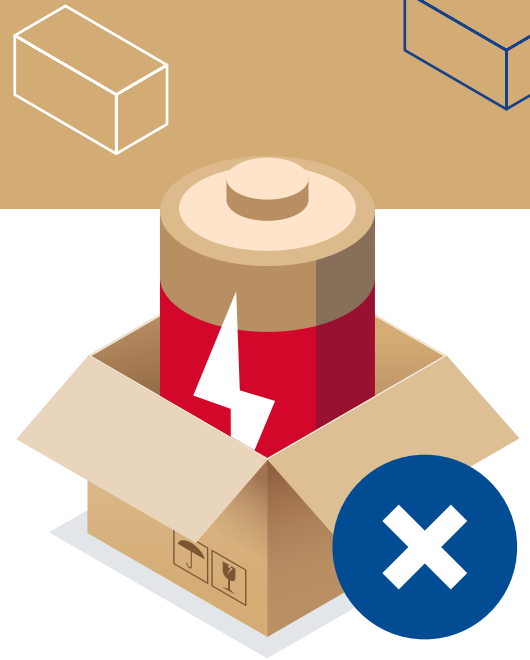


# Li-ion and Li-Metal Batteries in Road Transport

Special Provision 188 of ADR

## Notification

Special Provision 376 - Lithium batteries marked by the manufacturer as defective for safety reasons or that have been damaged or have the potential to produce dangerous heat, fire, or short circuits (e.g. batteries that are being returned to the manufacturer for safety reasons or cells and batteries that can be diagnosed as damaged or defective prior to shipment). Batteries subject to this provision **are not transported by PPL CZ!!!**



### PPL CZ does not transport

Lithium batteries, which from the ADR viewpoint are offered in accordance with subsection 1.1.3.6. (as sublimit transport) or higher modes (full ADR transport on orange plates).

- ✘ **UN 3481** – batteries in/with equipment over 100 Wh output and cells in/with equipment over 20 Wh output
- ✘ **UN 3480** – stand-alone batteries over 100 Wh output, cells over 20 Wh output
- ✘ **UN 3091** – batteries in/with equipment containing more than 2 g of lithium metal or alloy, cells in/with equipment containing more than 1 g of lithium metal or alloy
- ✘ **UN 3090** – stand-alone batteries containing more than 2 g of lithium metal or alloy, cells containing more than 1 g of lithium metal or alloy
- ✘ Any device or battery that is waste

### Packing and delivery notes

- Battery capacity does not exceed 100 Wh, cell capacity does not exceed 20 Wh, or with a lithium content of up to 2 g in a battery and up to 1 g in a cell
- Place the appropriate mark for lithium batteries on a shipment (except for shipments on 2+2 or 4+4 quantity exceptions)
- The weight of any item with the goods in a shipment will not exceed 30 kg gross weight (applies if a package contains only separate UN 3480 and 3090 batteries)
- The battery/cell is short-circuit proof and packed in an internal package (small box, blister, bag)
- The devices are switched off and secured against spontaneous switching on during transport
- The package can withstand a drop test from 1.2 m onto a solid surface (only valid for packages containing separate batteries or batteries in addition to a device)
- We recommend that you enter the following text when entering a shipment: "NOT RESTRICTED SP ADR 188"

### Marking

#### Standard mark size

Min. 120 x 110 mm (rectangular format)  
Min. 100 x 100 mm (square format)

#### Reduced mark format

Acceptable only for small parcels to which standard format cannot be affixed  
Min. 100 x 70 mm (rectangular format)

#### Text on mark

1. UN 3XXX (select as appropriate in accordance with classification)
2. Emergency telephone number

