

# Batteryuniversity - Certification und Tests

## UN-TRANSPORTTEST 38.3

UN 38.3 transportation testing includes a total of eight individual tests that will be conducted depending on the type of the lithium batteries or cells. It is important to know that the individual tests have to be carried out with several test specimens. Among other factors, the number of specimens depends on the weight of the batteries.

There are special rules for the shipping of lithium cells / batteries since 2003. These UN transportation regulations (such as UN 3090, UN 3480, UN 3481) were issued by the United Nations and apply to transportation by land, water and air.

### INDIVIDUAL TESTS ACCORDING TO UN 38.3

- UN-Test T.1: Altitude simulation
- UN-Test T.2: Thermal test
- UN-Test T.3: Vibration
- UN-Test T.4: Shock
- UN-Test T.5: External short circuit
- UN-Test T.6: Impact/crushing
- UN-Test T.7: Overcharge
- UN-Test T.8: Forced discharge



BMZ Germany GmbH  
Zeche Gustav 1  
63791 Karlstein am Main  
Germany

P: +49 6188-9956-0  
E: [mail@bmz-group.com](mailto:mail@bmz-group.com)  
[www.bmz-group.com](http://www.bmz-group.com)



Batteryuniversity GmbH  
Am Sportplatz 30  
63791 Karlstein am Main  
Germany

P: +49 6188-99410-0  
E: [mail@bu-lab.eu](mailto:mail@bu-lab.eu)  
[www.bu-lab.eu](http://www.bu-lab.eu)

