

Batteryuniversity – Certification und Tests

DIN EN 62133

Testing of secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications.

TEST CRITERIA FOR BATTERIES

- 4.2.2 Vibration
- 4.2.3 Moulded case stress at high ambient temperature
- 4.2.4 Temperature cycling
- 4.3.2 External short circuit
- 4.3.3 Free fall
- 4.3.4 Mechanical shock (crash hazard)
- 4.3.8 Overcharge for nickel systems

TEST CRITERIA FOR SINGLE CELLS

- 4.2.1 Continuous low-rate charging
- 4.2.2 Vibration
- 4.2.4 Temperature cycling
- 4.3.1 Incorrect installation of a cell (Ni)
- 4.3.2 External short circuit
- 4.3.3 Free fall
- 4.3.4 Mechanical shock (crash hazard)
- 4.3.5 Thermal abuse
- 4.3.6 Crushing of cells
- 4.3.7 Low pressure
- 4.3.8 Overcharge for nickel systems
- 4.3.9 Overcharge for lithium systems
- 4.3.10 Forced discharge
- 4.3.11 Cell protection against a high charging rate (Li)

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