

ABUSE TESTS FOR BATTERIES

THERMAL

- Thermal stability
- External fire
- Storage at elevated temperature
- Thermal cycling

MECHANICAL

- Internal short circuit / nail penetration
- Controlled crush
- Drop
- Corrosive environment / dust
- Altitude simulation
- Vibration / shock

ELECTRICAL

- Overcharge
- Overdischarge / voltage reversal
- External short circuit ($R_s \leq 137 \mu\Omega$, 20 kA)
- Fast charge / discharge

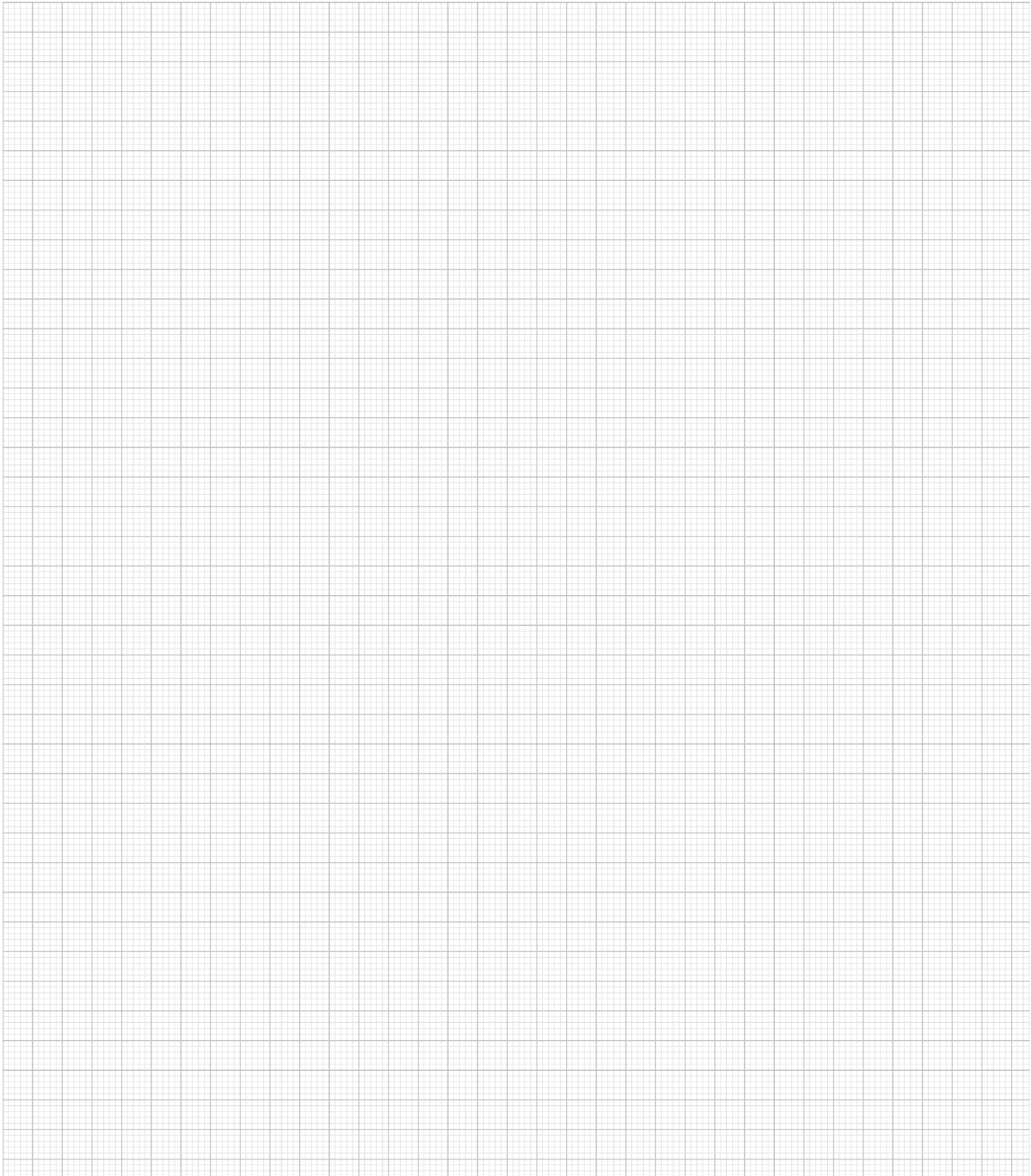
DATA ACQUISITION

- Up to 20 kHz
- Up to 40 temperature sensors
- Video (HFR 420 fps)
- Thermography

OPTIONAL

- Gas quantity measurement at cell and module level
- Gas analysis for small cells
- Spark ignition source
- Post-mortem analysis

Accredited: IEC 62133
IEC 62281
UN38.3



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