

IABG Zertifikat für Erdbebengestell mit einer Sicherheit von 0,65 g
IABG certificate for earthquake-protected stands of 0,65 g



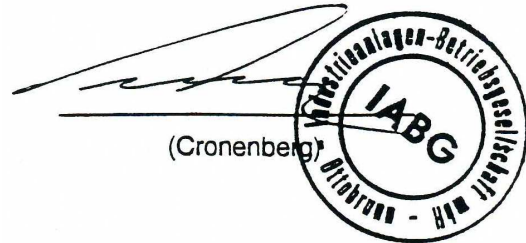
Vibration Test on
a rack with battery cells

Report-No. TA13-97/0280/6E

Date of test: 17.07.1997

IABG Order No.: 340 0280 01

Customer: Siemens KWU



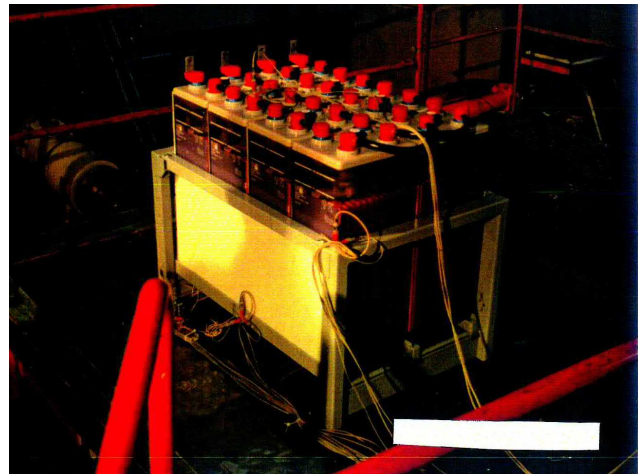
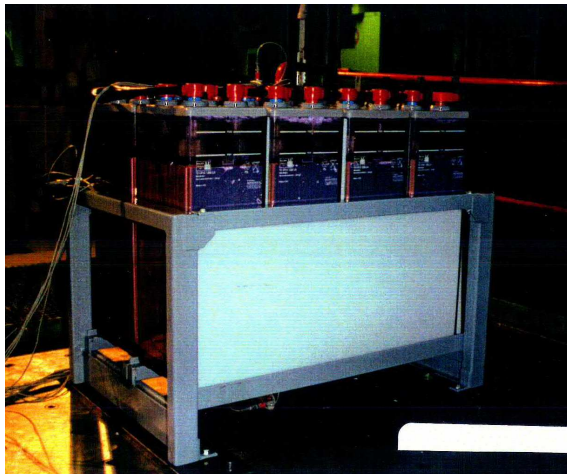
Test specimen : Rack with battery cells
Type : 12 OPzS 1200
Ident-No. : ---
Manufacturer : Rack: Kunstmann GmbH

Test standard used:

DIN IEC 68 (part 2-6, Feb. 84)

DIN IEC 68-3-3 (Feb. 91)

DD 7080.7 + amendment for NEHUENCO



Tests performed:

Resonance search using single-axial sine sweep, 0,2 g; 1-35-1 Hz; 1 oct/min, successively in X-, Y- and Z-directions.

Simulation of earthquake loads using biaxial time-history (X/Z and Y/Z) so that the test response spectra (TRS) should cover the required response spectrum (RRS, see App. 4) for 5% damping. Duration was about 30 seconds.

Resonance check using single-axial sine sweep, 0,2 g; 1-35-1 Hz; 1 oct/min, successively in X-, Y- and Z-directions.

Test result:

The test specimen withstood the loads without detectable damage or changes.