

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



Vibration Test on  
a rack with battery cells

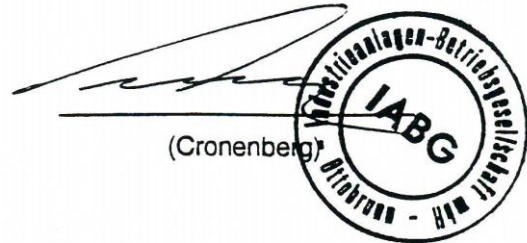
**Report-No. TA13-97/0280/6E**

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

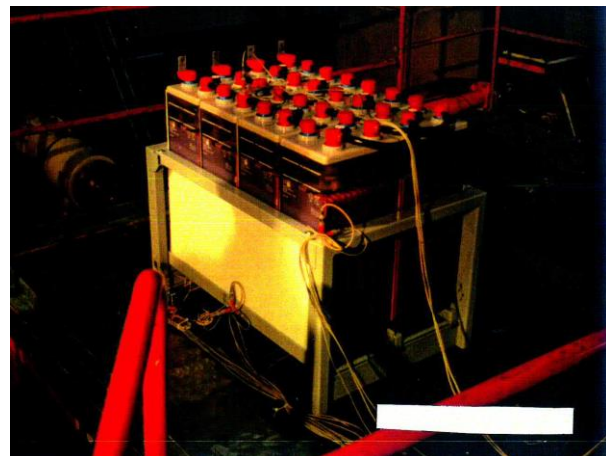
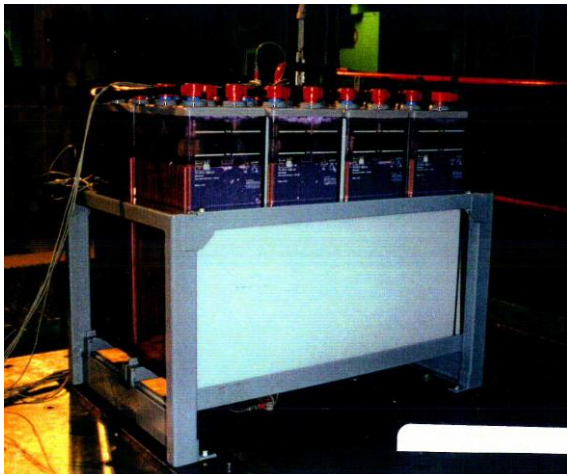


**Test standard used:**

*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.