

CBI ALBA Plus project TM24

Dual battery symmetry investigation with in-vehicle logger: Introduction

ALBA Workshop, Mainz, 19/20 May 2026

Eckhard Karden, Consultant

eckhard.karden@gmx.net

Ultra-low temperature performance of automotive LAB

Problem: Battery manufacturers often report field issues be caused by vehicle operation, not battery. However, convincing OEM engineers is not always easy – certainly if warranty cost is involved...

Idea: Battery supplier should be able to generate data to support root cause analysis. In this project, we apply state-of-the-art data logging equipment in a sufficiently complex vehicle application.

Example: BEV with dual 12V auxiliary battery and only 1 battery sensor. Study current, voltage, temperature of both batteries under several usage conditions. How “symmetric” are they operated actually , etc. ...?

Today: Vehicle* with instrumentation will be demonstrated:
See Roger and Kemal on the parking lot in front of Erbacher Hof!

* single battery version is available for this week demonstration/ baseline measurement



Eckhard Karden
May 2026

