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Freedomcar Battery Test Manual

FreedomCAR Battery Test Manual For Power-Assist Hybrid Electric Vehicles Published October 2003
Prepared for the U.S. Department of Energy Assistant Secretary for Energy Efficiency and
Renewable Energy (EE) Idaho Operations Office Contract DE-AC07-99ID13727

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FreedomCAR 42V Battery Test Manual 1. PURPOSE, APPLICABILITY AND GOALS This manual defines a series of tests to characterize aspects of the performance and life behavior of batteries for 42V automotive applications. Tests are defined based on the FreedomCAR program 42V

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Tests are defined based on the FreedomCAR program goals for power-assist hybrid electric vehicles, though it is anticipated these tests may be generally useful for testing energy storage devices for hybrid vehicles. The test procedures in this manual are directly applicable to complete battery systems.

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FreedomCAR Electrical Energy Storage System Abuse Test Manual for Electric and Hybrid Electric Vehicle Applications Daniel H. Doughty and Chris C. Crafts Prepared by Sandia National Laboratories Albuquerque, New Mexico 87185 and Livermore, California 94550 Sandia is a multiprogram laboratory operated by Sandia Corporation,

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@article{osti_889934, title = {FreedomCAR :electrical energy storage system abuse test manual for electric and hybrid electric vehicle applications.}, author = {Doughty, Daniel Harvey and Crafts, Chris C.}, abstractNote = {This manual defines a complete body of abuse tests intended to simulate actual use and abuse conditions that may be beyond the normal safe operating limits experienced by ...

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Overview and Progress of the Battery Testing, Design, and Analysis Activity. Brian Cunningham . Energy Storage R&D . Hybrid and Electric Systems Team . Vehicle Technologies Program . Tuesday, May 15, 2012 . Project ID: ES116 FreedomCAR 42 Volt Battery Test Manual ...

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Battery Test Manual For Electric Vehicles Jon P. Christopherson June 2015 ... As in previous battery and capacitor test manuals, this version of the manual defines testing methods for full-size battery systems, along with ... FreedomCAR Freedom Cooperative Automotive Research .

Battery Test Manual For Electric Vehicles

U.S. Department of Energy Vehicle Technologies Program Battery Test Manual For Plug-In Hybrid Electric Vehicles REVISION 3 SEPTEMBER 2014 The Idaho National Laboratory is a U.S. Department of Energy National Laboratory Operated by Battelle Energy Alliance

U.S. Department of Energy Vehicle Technologies Program

- 42V Battery Test Manual Issued 7 ... This report contains brief summaries of key accomplishments of the FreedomCAR program for 2003. FreedomCAR is a Partnership between the U.S. Department of Energy and the U.S. Council for Automotive Research (USCAR) member companies

FreedomCAR Partnership 2003 Highlights of Technical ...

DOE/ID-10597 (1997), "PNGV Battery Test Manual," Partnership for a New Generation of Vehicles (PNGV) for the U.S. Department of Energy. DOE/ID-11069 (2003), "FreedomCAR Battery Test Manual for Power-Assist Hybrid Electric Vehicles," FreedomCAR Program for the U.S. Department of Energy.

Standards for electric vehicle batteries and associated ...

DOE/ID-11069 FreedomCAR Battery Test Manual For Power-Assist Hybrid Electric Vehicles Published October 2003 Prepared for the U.S. Department of Energy. DOE/ID-10597 Rev. 3 February 2001 PNGV Battery Test Manual DOE/ID-10597 Revision 3 PNGV Battery Test Manual Published February 2001 Prepared for the U.S.

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Battery Testing in the US Battery performance and life testing in the US is an application-driven, analytical process Current focus is on HEVs, PHEVs and EVs For simplicity, this presentation will be focused on test methods for PHEVs and EVs at the pre-competitive stage General testing philosophy

Battery Testing in the US - anl.gov

This manual defines a series of tests to characterize aspects of the performance or life behavior of ultracapacitors for hybrid electric vehicle (HEV) applications.a Tests are defined based on the general approach used for all FreedomCAR energy storage testing; however, it is anticipated that these tests may be generally useful for testing capacitors for hybrid electric vehicle or other uses.

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Ok I guess what I'm asking is, are there more plots of the ECU reported SOC% versus module pairs voltage. From Bob's work from here: ReInVolt PHEV Plan | PriusChat We can see that force charging and hill descent with an extra 20A IB, the pack gets to a max of 330V (1.41V/cell) to 350V

(1.5V/cell) (35C battery temps).

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