

Republic of china battery safety

GB 38031-2020 NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA ICS 43.080 T 47
Replacing GB/T 31485-2015, GB/T 31467.3-2015 Electric Vehicles Traction Battery Safety requirements
ISSUED ON: MAY 12, 2020 IMPLEMENTED ON: JANUARY 1, 2021 Issued by: State Administration for
Market Regulation; Standardization Administration of the People's ...

China has published a new standard: National Standard of the P.R.C., Electric vehicles traction battery safety requirements. This document specifies the safety requirements and test methods for battery cells, battery packs or systems of traction batteries used in electric vehicles.

On May 12, 2020, the Chinese government has published a new safety standard for batteries of electric vehicles, the GB 38031-2020 standard. It will come into effect on January 1, 2021 and shall be used from that date on. This Standard specifies safety requirements and test methods for power battery units, battery packs or systems used in ...

This review analyzes China's vehicle power battery safety standards system for battery materials, battery cells, battery modules, battery systems, battery management systems (BMSs), and vehicles. The review interprets the standards for lithium-ion battery electrode materials, separators, and electrolyte performance.

Three Chinese mandatory standards related to electric vehicles were published and shall be effective from January 1, 2021. They are: 1) GB 18384-2020 Electric vehicles safety requirements. 2) GB 38031-2020 Electric vehicles traction battery safety requirements. 3) GB 38032-2020 Electric buses safety requirements.

This document specifies the safety requirements and test methods for battery cells, battery packs or systems of traction batteries used in electric vehicles. This document applies to traction batteries for electric vehicles.

– Changed the battery pack or system Safety requirements and test methods for heat and humidity cycles (see 5.2.5 and 8.2.5, 5.2.5 and 8.2.5 in the 2020 version);

– Changed the safety requirements and test methods for thermal stability testing of battery packs or systems (see 5.2.7, 8.2.7 and Appendix C, 5.2.7, 8.2.7 and Appendix C of the 2020 version);

– Changed the safety requirements and test methods for temperature shock of battery packs or systems (see 5.2.8 and 8.2.8, 5.2.8 and 8.2.8 of the 2020 version);

-Changed the safety requirements and test methods for over-temperature protection of battery packs or systems (see 5.2.11 and 8.2.11, 5.2.11 and 8.2.11 of the 2020 version);

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