

SolarInnovate Energy Solutions

12v lithium battery pack implementation standard



Overview

Accordingly, China Quality Certification Centre (CQC) has formulated CQC-C0902-2025 "Implementation Specifications for Mandatory Product Certification of Power Banks, Lithium-Ion Batteries, and Battery Packs (Trial)" in compliance with Announcement No. 15, the New Rules, and the general implementation rules for mandatory product certification. What is the purpose of a lithium-ion battery test procedure?

The specified test procedures enable the user of this standard to determine the essential characteristics on performance, reliability and abuse of lithium-ion battery packs and systems. The user is also supported to compare the test results achieved for different battery packs or systems.

What should be included in a battery pack or system test delivery?

he box or the car body. 6.1.4 Battery pack or system test delivery needs to include necessary operating documents, as well as interface components required to connect with the test equipment, such as: connectors and plugs, including co ling system interfaces. The typical structure of battery pack or system.

What if a battery pack or system is not suitable for testing?

re shown in Appendix B. 6.1.6 If due to some reasons (for example: size or mass), battery pack or system is not suitable for some tests, then, after reaching a consensus through negotiation, the manufacturer and testing institution may use the subsystem of the battery pack or system as the test object for a.

What is the insulation resistance of a battery pack?

ack, fire or explosion. The insulation resistance after the test shall b no less than 100 Ω/V . If there is an AC circuit, the insulation resistance shall b no less than 500 Ω/V . 5.2.4 The battery pack or system shall be subjected to an extrusion test in accordance with 8.2.4; there shall.

How to protect the safety of a battery pack / system?

battery pack or system.8.2.1.2 In order to protect the safety of test operators and laboratories, the manufacturer shall provide voltage sharpness limits as abnormal termination conditions.8.2.1.3 Before the test starts, adjust the SOC of the test object to not lower than 50% of the normal SOC working range specif.

Can a battery module be adopted for testing?

battery or al eventGB 38031-2020independently, battery module may be adopted for testing, and the safety requirements shal still comply with 5.1.6.1.3 In terms of battery pack or system covered by car body and forms a battery pack box, it may be tested along with

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