



Certification Enables Safer Use of Portable Power Packs

As demand for portable power continues to increase, so does the safety concern for portable power pack products. It is critical to test these temporary power sources, equipped with lead acid or lithium ion batteries, for safety.

As batteries became more prevalent in all types of products, authorities and the public have become more aware of new incidents and hazards associated with improper use of battery operated products. Many parties have requested a standard to help ensure safe commercialization of state-of-the-art products such as portable power packs.

Portable Power Packs – ANSI/UL 2743 1st Edition

ANSI/UL 2743 1st Edition was published on October 14, 2016 covering portable power packs including booster packs (e.g., jump-start a car) with the intent for these applications:

- Covers devices that consist of one or more lead acid or lithium ion batteries housed within an enclosure and intended to be used as a portable power source for use where normal grid power is not available or in emergency situations
- The devices are charged from an external supply source, but independently supply power to outputs on the device when used
- Outputs may consist of one or more of the following: receptacles, jump starter cable/clips, USB connections from a limited power source, DC output jacks, and vehicle sockets

UL 2743 does not cover cellphone or tablet power banks / back-up chargers – this would be covered under UL 2056 – Power Banks.

A History of Expertise in Battery Testing and Certification

UL Battery and Energy Storage Technology services are designed to help reduce the complexities associated with creating energy storage products. UL works to help ensure the safe manufacture, handling and use of new technologies through various tests on energy storage systems (such as batteries in stationary/motive and portable applications), power supplies, and materials. UL has the foremost battery experts and has been extensively studying battery technologies for over 30 years.



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