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Wheelchairs —

Part 31:

Lithium-ion battery systems and chargers for powered wheelchairs — Requirements and test methods

Fauteuils roulants —

*Partie 31: Systèmes de batteries lithium-ion et chargeurs pour
fauteuils roulants motorisés — Exigences et méthodes d'essai*



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Introduction

This document was developed to standardize requirements for use of lithium-ion batteries in wheelchairs.

Lithium-ion batteries provide performance enhancements relative to batteries with other chemistries, but operation outside specified limits can pose unacceptable risks. It is important not to overlook conditions that occur not only when charging using the wheelchair battery charger, but during operation of the wheelchair, which can charge the battery system when decelerating and/or travelling down a slope. In many cases, the wheelchair controller can be considered part of the battery system and charging system combined.