

ISO 7176-25:2022-10 (E)

Wheelchairs - Part 25: Lead-acid batteries and chargers for powered wheelchairs - Requirements and test methods

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Test conditions and apparatus	2
4.1 Test conditions	2
5 Battery chargers	4
5.1 Electrical safety	4
5.1.1 General	4
5.1.2 Requirements	5
5.1.3 Test methods	5
5.2 Performance-related safety	5
5.2.1 General	5
5.2.2 Charging connector	6
5.2.3 Reverse polarity connection	6
5.2.4 Battery discharge	7
5.2.5 Battery charger options	8
5.2.6 Charging a faulty battery set	8
5.3 Charging capability	9
5.3.1 General	9
5.3.2 Requirements	9
5.3.3 Preparation for test	9
5.3.4 Test methods	10
5.4 Electromagnetic compatibility (EMC)	11
5.4.1 General	11
5.4.2 Requirements	11
5.4.3 Test methods	11
5.5 Indicators	11
5.5.1 General	11
5.5.2 Requirements	11
5.5.3 Test method	12
6 Batteries	12
6.1 Performance requirements	12
6.1.1 General	12
6.1.2 Charge retention	12
6.2 Safety requirements	13
6.2.1 Requirements	13
6.2.2 Test methods	13
6.3 Marking	13
7 Test report	13
7.1 Test reports for battery chargers	13
7.2 Test reports for batteries	14

8	User manual	14
8.1	User manual for battery chargers	14
8.2	User manual for batteries	16
9	Disclosure	16
	Bibliography	17