ISO 21782-1:2023-02 (E)

Electrically propelled road vehicles - Test specification for electric propulsion components - Part 1: General test conditions and definitions

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 3

5 General test conditions 4
5.1 Operating points 4
5.1.1 Operating points for motor, inverter and motor system 4
5.1.2 Operating points for DC/DC converter 7
5.2 Methods for determining the rank for operating load test 8
5.2.1 Target rank verification method 8
5.2.2 Rank search method 9
5.3 Provision for current, voltage and power measurement 9
5.4 DC input voltage 11
5.5 Temperature and humidity 11
5.6 Measurement accuracy 12

Annex A (informative) Formula of power 13

Bibliography 18