

BS ISO 13064-2:2012



BSI Standards Publication

Battery-electric mopeds and motorcycles — Performance

Part 2: Road operating characteristics

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National foreword

This British Standard is the UK implementation of ISO 13064-2:2012.

The UK participation in its preparation was entrusted to Technical Committee AUE/14, Motor cycles and mopeds.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Part 2: Road operating characteristics

Cyclomoteurs et motocycles électriques — Performance —

Partie 2: Caractéristiques d'utilisation sur route



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 13064-2 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 23, *Mopeds*.

ISO 13064 consists of the following parts, under the general title *Battery-electric mopeds and motorcycles — Performance*:

- *Part 1: Reference consumption and range*
- *Part 2: Road operating characteristics*

Battery-electric mopeds and motorcycles — Performance —

Part 2: Road operating characteristics

1 Scope

This International Standard specifies the procedures for measuring the road performance of electric motorcycles and mopeds with only a traction battery(ies) as power source for vehicle propulsion.

The road performance comprises road operating characteristics such as speed, acceleration and hill climbing ability.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 11486, *Motorcycles — Methods for setting running resistance on a chassis dynamometer*

ISO 28981, *Mopeds — Methods for setting the running resistance on a chassis dynamometer*

ISO 13064-1:2012, *Battery-electric mopeds and motorcycles — Performance — Part 1: Reference energy consumption and range*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 13064-1 and the following apply.

3.1

complete battery-electric moped (motorcycle) kerb mass

total unladen mass of the battery-electric moped (motorcycle), including traction batteries, cooling liquid, window-washer fluid, lubricating oil, tool kit, spare wheel (if mandatory) and on-board charger and portable charger or part of it, if provided as standard equipment by the manufacturer

3.2

maximum design total mass

maximum vehicle mass as specified by the battery-electric moped (motorcycle) manufacturer

3.3

test mass of a battery-electric vehicle

complete battery-electric vehicle kerb mass increased by a uniform figure of 75 kg, which represents the mass of a rider

3.4

tyre rolling radius

effective radius of a tyre when it is deformed by the mass of the vehicle loaded to its test mass