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ISO 17409:2020

Electrically propelled road vehicles — Conductive power transfer — Safety requirements

This document specifies electric safety requirements for conductive connection of electrically propelled road vehicles to external electric circuits. External electric circuits include external electric power supplies and external electric loads. This document provides requirements for the ...

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ISO/TS 19466:2017

Electrically propelled mopeds and motorcycles — Test method for evaluating performance of regenerative braking systems

ISO/TS 19466:2017 specifies test procedures for measuring performance of regenerative braking systems used for electric motorcycles and mopeds that are propelled by traction motors with electric batteries. Performance of regenerative braking systems is dealt with two perspectives: first, how much a regenerative ...

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- Standard

ISO 5474-4:2025

Electrically propelled road vehicles — Functional and safety requirements for power transfer between vehicle and external electric circuit — Part 4: Magnetic field wireless power transfer

This document defines the requirements and operation of the on-board vehicle equipment that enables magnetic field wireless power transfer (MF-WPT) between supply device and electric vehicles (EV). It is intended to be used for passenger cars and light commercial vehicles. This document addresses the following ...

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ISO 8102-6:2019

Electrical requirements for lifts, escalators and moving walks — Part 6: Programmable electronic systems in safety-related applications for escalators and moving walks (PESSRAE)

1.1 This document is applicable to the product family of escalators and moving walks used in residential buildings, offices, hospitals, hotels, industrial plants, etc. This document covers those aspects that need to be addressed when programmable electronic systems are used to carry out electric safety functions ...

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ISO/TR 8713:2019

Electrically propelled road vehicles — Vocabulary

This document establishes a vocabulary of terms and the related definitions used in ISO/TC 22/SC 37 standards.

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ISO/PAS 5474-6:2025

Electrically propelled road vehicles — Functional and safety requirements for power transfer between vehicle and external electric circuit — Part 6: Safety and interoperability requirements for heavy-duty vehicles in magnetic field wireless power transfer

This document defines the requirements and operation of the on-board vehicle equipment that enables magnetic field wireless power transfer (MF-WPT) for traction battery charging of electric vehicles. It specifies requirements for static (vehicle not in motion) and dynamic (vehicle in motion) applications. It is ...

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ISO 18243:2025

Electrically propelled mopeds and motorcycles — Test specifications and safety requirements for lithium-ion battery systems

This document specifies the test procedures for lithium-ion battery packs and systems used in electrically propelled mopeds and motorcycles. The specified test procedures enable the user of this document to determine the essential characteristics on performance and safety of lithium-ion battery ...

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ISO 21498-2:2024

Electrically propelled road vehicles — Electrical specifications and tests for voltage class B systems and components — Part 2: Electrical tests for components

This document applies to voltage class B electric propulsion systems and connected auxiliary electric systems of electrically propelled road vehicles. It applies to electric circuits and components in these systems. This document focuses on the characteristics at the DC voltage class B terminals ...

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ISO 21782-3:2019

Electrically propelled road vehicles — Test specification for electric propulsion components — Part 3: Performance testing of the motor and the inverter

This document specifies performance tests for the motor and the inverter designed as a voltage class B electric propulsion system for electrically propelled road vehicles.

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ISO 21782-2:2019

Electrically propelled road vehicles — Test specification for electric propulsion components — Part 2: Performance testing of the motor system

This document specifies the performance tests for the motor system designed as a voltage class B electric propulsion system for electrically propelled road vehicles.

Published
- Standard

ISO 6469-3:2021

Electrically propelled road vehicles — Safety specifications — Part 3: Electrical safety

This document specifies electrical safety requirements for voltage class B electric circuits of electric propulsion systems and conductively connected auxiliary electric systems of electrically propelled road vehicles. It specifies electrical safety requirements ...

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ISO/TS 5474-5:2024

Electrically propelled road vehicles — Functional and safety requirements for power transfer between vehicle and external electric circuit — Part 5: Automatic conductive power transfer

This document defines requirements for the onboard system (vehicle side) related to the automatic connection for conductive alternating current (AC) and/or direct current (DC) power transfer between electrically propelled road vehicles (EVs) and external electric circuits. This document addresses ...

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ISO 21782-6:2019

Electrically propelled road vehicles — Test specification for electric propulsion components — Part 6: Operating load testing of motor and inverter

This document specifies operating load tests and test criteria for motor and inverter designed as a voltage class B electric propulsion system for electrically propelled road vehicles.

Published
- Standard

ISO 6469-4:2015

Electrically propelled road vehicles — Safety specifications — Part 4: Post crash electrical safety

ISO 6469-4:2015 specifies safety requirements for the electric propulsion systems and conductively connected auxiliary electric systems of electrically propelled road vehicles for the protection of persons inside and outside the vehicle. It specifies electrical safety requirements ...

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ISO 5474-2:2024

Electrically propelled road vehicles — Functional and safety requirements for power transfer between vehicle and external electric circuit — Part 2: AC power transfer

This document in combination with ISO 5474-1 specifies requirements for conductive power transfer using alternating current (AC) with a voltage up to 1 000 V a.c. between electrically-propelled road vehicles and external electric circuits. NOTE External electric circuits are not part of ...

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ISO 8102-20:2022

Electrical requirements for lifts, escalators and moving walks — Part 20: Cybersecurity

This document specifies cybersecurity requirements for new lifts, escalators and moving walks, referred to in this document as "equipment under control (EUC)", designed in accordance with the ISO 8100 series. It is also applicable with other lift, escalator and moving walk standards that specify similar ...

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ISO 8102-1:2020

Electrical requirements for lifts, escalators and moving walks — Part 1: Electromagnetic compatibility with regard to emission

This document specifies the emission limits in relation to electromagnetic disturbances and test conditions for lifts, escalators and moving walks, which are intended to be permanently installed in buildings. It is possible, however, that these limits do not provide full protection against disturbances caused to ...

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ISO 8102-2:2021

Electrical requirements for lifts, escalators and moving walks — Part 2: Electromagnetic compatibility with regard to immunity

This document specifies the immunity performance limits and test levels for apparatus used in lifts, escalators and moving walks which are intended to be permanently installed in buildings including the basic safety requirements in regard to their electromagnetic environment. These levels represent essential EMC ...

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ISO 5474-3:2024

Electrically propelled road vehicles — Functional and safety requirements for power transfer between vehicle and external electric circuit — Part 3: DC power transfer

This document in combination with ISO 5474-1 specifies requirements for conductive power transfer using direct current (DC) with a voltage up to 1 500 V d.c. between electrically propelled road vehicles and external electric circuits. This document provides requirements for conductive charging in ...

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ISO 5474-1:2024

Electrically propelled road vehicles — Functional and safety requirements for power transfer between vehicle and external electric circuit — Part 1: General requirements for conductive power transfer

This document specifies general requirements for conductive power transfer with a voltage up to 1 000 V a.c. (alternative current) and up to 1 500 V d.c. (direct current) between electrically propelled road vehicles and external electric circuits. This document provides general requirements for ...

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