

GB/T 38775.7-2021 电动汽车无线充电系统互操作车辆端

产品名称	GB/T 38775.7-2021 电动汽车无线充电系统互操作车辆端
公司名称	深圳讯科标准技术服务有限公司业务推广部
价格	.00/件
规格参数	
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产品详情

1 SCOPE

This document specifies the interoperability requirements and testing for the vehicle side of the electric vehicle wireless power transfer (EV-WPT) system, including system architecture, classification, technical requirements, test preparation, interoperability testing, and on-board reference device, etc.

This document is applicable to the stationary magnetic field wireless power transfer (MF-WPT) systems for electric vehicles, for which the power supply has a maximum rated voltage of 1,000V (AC) or 1,500V (DC) and of which the maximum rated output voltage is 500V (DC), while for other rated output voltages this document may be used as a reference.

2 NORMATIVE REFERENCES

The following documents contain provisions which, through reference in this text, constitute essential provisions of this document. For dated references, only the editions cited apply. For undated references, the latest editions of the normative document (including any amendments) apply.

GB/T 19596 Terminology of electric vehicles

GB/T 38775.1-2020 Electric vehicle wireless power transfer – Part 1: General requirements

GB/T 38775.2-2020 Electric vehicle wireless power transfer – Part 2: Communication protocols between on-board charger and wireless power transfer device

GB/T 38775.3-2020 Electric vehicle wireless power transfer – Part 3: Specific requirements

GB/T 38775.4-2020 Electric vehicle wireless power transfer – Part 4: Limits and test methods of electromagnetic

environment

GB/T 38775.5 Electric vehicle wireless power transfer — Part 5: Electromagnetic Compatibility Requirements and Test Methods

GB/T 38775.6-2021 Electric vehicle wireless power transfer — Part 6: Interoperability requirements and testing — Ground side

3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions given in GB/T 19596, GB/T 38775.1-2020, GB/T 38775.2-2020, GB/T 38775.3-2020 and GB/T 38775.6- 2021, as well as the following apply.

3.1

Interoperability

The ability to achieve EV-WPT interconnectivity by means of information exchange and process control between off-board supply device and on-board supply device of the WPT system of same or different models and versions

[Source: GB/T 34657.2-2017, 3.1, modified]

3.2

Primary Coil

The coil comprising one or more electrical windings, which can generate an electromagnetic field

Note: Primary coil is a component of the primary device of the MF-WPT system.