电池充电器 安全与电磁兼容
认证实施规则

Battery Charger Safety and Electromagnetic Compatibility
Certification Implementation Rules

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精准通检测认证（广东）有限公司
Precise Testing & Certification (Guangdong) Co., Ltd.

0 引言 Introduction

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本规则与PTC002000-2026 《家用和类似用途电器安全与电磁兼容认证通用规则》结合使用。本规则中省略的部分章节，表示 PTC002000-2026 中的相应规定适用于本认证规则；本规则中写明“代替 ”的部分， 则以本规则的条文为准；PTC002000-2026 规定“在具体认证规则中规定 ”的章节，在本规则中直接规定；本规则中写明“增加 ”的部分，表示除符合 PTC002000-2026 相应条文外，还必须符合本规则所增加的条文；本规则中写明“修改 ”的部分，对 PTC002000-2026 相应条文做适应性调整。

This rule is to be used in conjunction with PTC002000-2026 General Rules for Safety and Electromagnetic Compatibility Certification of Household and Similar Electrical Appliances. Sections omitted in this rule indicate that the corresponding provisions in PTC002000-2026 apply to this certification rule. Sections marked “replace” shall be governed by the provisions of this rule. Sections in PTC002000-2026 that state “to be specified in specific certification rules” are directly specified in this rule. Sections marked “add” indicate that, in addition to complying with the corresponding provisions of PTC002000-2026, the added provisions of this rule must also be met. Sections marked “modify” indicate adaptive adjustments to the corresponding provisions of PTC002000-2026.

制定单位：精准通检测认证（广东）有限公司

Drafting Organization: Precise Testing & Certification (Guangdong) Co., Ltd.

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This rule is a public document. PTC shall make the current effective version of this rule and its revision records freely available on its official website (www.ptc-lab.com), accessible to any interested party without request. Information on the development, revision and withdrawal of this rule shall also be published on PTC's website and filed with the CNCA as required.

1 适用范围 Scope of Application

增加 Addition：

本规则适用于额定输入电压不超过 250 V（单相）、输出为安全特低电压（SELV）的家用和类似用途电池充电器的自愿性产品安全与电磁兼容认证，可选做安全认证或电磁兼容认证或安全+电磁兼容认证。本规则不适用于：——车载充电器（随车用蓄电池供电）；——无线充电器（按相应认证规则）；——仅为信息技术设备供电的 USB 电源适配器（按 PTC001002-2026 认证）。

This rule applies to voluntary safety and EMC certification of household and similar battery chargers with a rated input voltage not exceeding 250 V (single-phase) and a safety extra-low voltage (SELV) output. This rule does not apply to: vehicle-mounted chargers; wireless chargers (covered by separate rules); USB power adapters intended solely for IT equipment (certified under PTC001002-2026).

3 认证单元划分 Division of Certification Units

3.1 该条增加下述内容 The following content is added：

产品种类（电池充电器）、充电电池类别（铅酸电池、锂离子电池、镍氢电池、镍镉电池、其他）、电源连接方式、结构类型（防触电保护结构类型、防水结构类型）、变压器类型（开关型变压器、线性变压器等）、额定输入电压均相同，可划分为同一申请单元。

Products of the same type (battery chargers), rechargeable battery category (leadacid, lithiumion, nickelmetal hydride, nickelcadmium, other), power connection method, structural type (protection against electric shock, waterproof structure), transformer type (switching transformer, linear transformer, etc.) and rated input voltage may be classified into the same application unit if identical.

5 认证实施 Certification Implementation

5.1 型式试验 Type Test

5.1.2 型式试验样品要求 Requirements for Type Test Samples

5.1.2.2 样品数量 Sample Quantity

同一单元中主检样品 5 台（安全 3 台、电磁兼容 1 台、异常 / 破坏性试验备样 1 台），覆盖样品各 1 台。

Five main samples (three for safety, one for EMC, one spare for abnormal/destructive tests) and one sample of each covering model.

5.1.3 型式试验依据标准 Standards for Type Test

5.1.3.1 安全标准-国内 Safety Standards - Domestic

GB/T4706.1-2024 《家用和类似用途电器的安全 第一部分：通用要求》

GB/T4706.1-2024 Safety of Household and Similar Electrical Appliances – Part 1: General Requirements

GB/T4706.18-2024《家用和类似用途电器的安全 电池充电器的特殊要求》

GB/T4706.18-2024 Safety of Household and Similar Electrical Appliances – Particular Requirements for Battery Chargers

5.1.3.2安全标准-出口 Safety Standards – Export

IEC 60335-1:2020《家用和类似用途电器——安全——第 1 部分：通用要求》

IEC 60335-1:2020 Household and similar electrical appliances — Safety — Part 1: General requirements

IEC 60335-2-29:2016+A1:2019《家用和类似用途电器——安全——第2-29部分：电池充电器的特殊要求》

IEC 60335-2-29:2016+A1:2019《Safety of household and similar electrical appliances Part 2-29: Particular requirements for battery chargers》

5.1.3.3 电磁兼容标准：

EMC standards:

国内按 PTC002000-2026 第 5.1.3.2 条执行；出口按 CISPR 14-1:2020、CISPR 14-2:2020、IEC 61000-3-2:2018+AMD1:2020+AMD2:2024。

domestically per Clause 5.1.3.2 of PTC002000-2026; for export, CISPR 14-1:2020, CISPR 14-2:2020 and IEC 61000-3-2:2018+AMD1:2020+AMD2:2024.