深圳市倍测检测有限公司

Shenzhen BCTC Testing Co., Ltd.

产 品 认 证 方 案

CERTIFICATION SCHEME

文件编号 Document No.：BCTC/C-WI-PC-001　　版号 Version：A.3

编制人 Prepared by：Carson Zhang

审核人 Reviewed By：Sam Wang

批准人 Approved By：Peter Pan

发布日期 Issue Date：2026-03-25　　生效日期 Effective Date：2026-03-25

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY

文件修订履历表 Revision Record

序号 No.	修订情况 Revision Summary			编制人 Prepared by	审核人 Reviewed By	批准人 Approved By	日期 Date
	章节号 Chapter	简要修订内容 Revision Contents	修订后版次 Revised Edition				
1	All	首次发布 First issue	A.0	Carson Zhang	Sam Wang	Peter Pan	2025-02-01
2	11	增加：信息的公开与提供要求 Add: Disclosure and provision of information	A.1	Carson Zhang	Sam Wang	Peter Pan	2025-08-20
3	6.2a)	增加：一致性检查的内容 Add: Content for consistency inspect	A.2	Carson Zhang	Sam Wang	Peter Pan	2026-03-12
	6.2c)	增加：检查人/日数的要求 Add: The requirement of inspectors and the number of working days					
	6.2d)	增加：时限要求 Add: The requirement of time limit					
	7.2	增加：同时应当检查认证标识和认证证书的使用情况。 Add: At the same time, the usage of the certification marks and certificates should also be checked.					
	8.3	增加：认证变更范围 Add: Certification change scope					
	9	增加：认证机构的认证标识 Add: The certification mark of the certification body					
4	6.1a)	增加：测试报告的要求 Add: The requirements of the test report	A.3	Carson Zhang	Sam Wang	Peter Pan	2026-03-25

1 范围 Scope

本规则适用于移动电源产品、信息技术/音视频类、电池充电器类产品，并依据其安全风险制定，规定了产品认证的基本原则和要求。认证机构应直接参照本规则实施认证。生产企业应确保所生产的获证产品持续符合认证测试标准的要求。This rule applies to power bank products, information technology/audio-visual products, and battery charger products. It is formulated based on their safety risks and specifies the basic principles and requirements for product certification. Certification bodies shall implement certification directly with reference to this rule. Manufacturing enterprises shall ensure that the certified products they produce continuously meet the requirements of certification test standards.

2 认证依据 Certification Basis

根据产品及其相关特点，适用测试标准如下表：According to the products and their relevant characteristics, the applicable test standards are shown in the following table:

产品 Product	测试标准 Test Standard
移动电源 Power Bank	ANSI/CAN/UL 2056 and UL/IEC/CSA 62368 （当有直插式结构时适用 Applicable when there is a direct plug-in structure）and UL 2738（当有无线充线圈时适用 Applicable when there is a wireless charging coil）
信息技术/音视频类 Information Technology/Audio-Visual Products	IEC/EN/CSA/UL 62368-1
电池充电器 Battery Charger	EN IEC 60335-2-29; EN IEC 60335-1; EN 62233

3 认证模式 Certification Mode

型式试验+初始工厂检查（企业质量保证能力和产品一致性检查）+获证后监督 Type Test+Initial Factory Inspection (Inspection of Enterprise Quality Assurance Capability and Product Consistency)+Post-Certification Supervision

4 认证单元划分 Division of Certification Units

4.1 不同生产者生产的产品应划分为不同认证单元；Products produced by different manufacturers shall be divided into different certification units;

4.2 不同内部电芯（针对移动电源产品）、不同初级电路（针对充电器）、不同电子线路（包括但不局限于电路原理图、PCB 布局图）、不同产品机械结构应划分为不同认证单元； Different internal battery cells (for power bank products), Different primary circuits (for the charger), different electronic circuits (including but not limited to circuit schematics and PCB layout diagrams), and

different product mechanical structures shall be divided into different certification units;

5 认证委托 Certification Entrustment

5.1 认证委托的提出与受理 / Submission and Acceptance of Certification Entrustment

认证委托人向认证机构提出认证委托，认证机构应当对认证委托进行处理，并按照认证实施细则中的时限要求反馈受理或不予受理的信息，认证委托人应对其向认证机构提交必要的企业信息和产品相关资料，且应对其真实性和合法性负责。The certification applicant submits a certification entrustment to the certification body. The certification body shall process the certification entrustment and feedback the information of acceptance or non-acceptance in accordance with the time limit requirements in the certification implementation rules. The certification applicant shall submit the necessary enterprise information and product-related data to the certification body and be responsible for their authenticity and legality.

有如下情形之一的，认证机构不予受理：The certification body shall not accept the entrustment in any of the following cases:

a)不符合国家法律法规及相关产业政策要求时；Failure to comply with national laws and regulations and relevant industrial policies;

b)委托人提交的的企业注册材料显示其经营范围未覆盖认证产品时；The enterprise registration materials submitted by the applicant show that its business scope does not cover the certified products;

c)已被国家企业信用系统列入严重失信主体的；Having been included in the list of severely untrustworthy entities by the national enterprise credit system;

d)其它相关法律规定不得受理的情形。Other circumstances where acceptance is not allowed in accordance with relevant laws and regulations.

5.2 认证委托资料 Certification Entrustment Materials

a)认证委托书；Certification Power of Attorney;

b)首次认证委托时，认证委托人、生产者、生产企业的注册证明(如营业执照等)；For the first certification entrustment, the registration certificates of the certification applicant, manufacturer, and production enterprise (such as business license, etc.);

c)工厂检查前的工厂检查调查表；Factory Inspection Questionnaire before factory inspection;

d)认证委托人、生产者、生产企业之间签订的有关协议书或合同(如 ODM 协议书、OEM 协议书、授权书等)；Relevant agreements or contracts signed between the certification applicant, manufacturer, and production enterprise (such as ODM agreement, OEM agreement, authorization

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY

letter, etc.);

e)产品描述信息，主要包括:型号说明、技术参数、关键元器件和/或材料清单（见附件 1）、电气原理图、同一认证单元内所包含的不同规格产品的差异说明等；Product description information, mainly including: model description, technical parameters, list of key components and/or materials (see Annex 1), electrical schematic diagram, difference description of products of different specifications within the same certification unit, etc.;

f)产品铭牌（可接受电子档形式）；Product nameplate (electronic version is acceptable);

g)对于变更申请，相关变更项目的证明文件(如企业更名、行政区域重新划分等)；For change applications, the certification documents of relevant change items (such as enterprise name change, administrative division adjustment, etc.);

h)其他必要的资料。Other necessary materials.

认证委托人应当按认证实施细则中认证委托资料清单的要求提供所需资料。认证机构负责审核、管理、保存、保密有关资料，并将资料审核结果告知认证委托人。The certification applicant shall provide the required materials in accordance with the requirements of the certification entrustment materials list in the certification implementation rules. The certification body is responsible for reviewing, managing, storing, and keeping confidential the relevant materials, and shall inform the certification applicant of the result of the data review.

6 认证实施 Implementation of Certification

6.1 型式试验 Type Test

a)型式试验方案 Type Test Plan

认证机构应当与认证委托人约定双方在认证实施各环节中的相关责任和安排，按照本规则确定认证实施的具体方案并告知认证委托人。型式试验方案应包含所需样品数量、检测标准项目、实验室信息等；The certification body shall agree with the certification applicant on the relevant responsibilities and arrangements of both parties in each link of certification implementation, determine the specific plan for certification implementation in accordance with this rule, and inform the certification applicant. The type test plan shall include the required number of samples, test standard items, laboratory information, etc.;

型式试验完成后，应有认证申请人提交测试报告至发证机构审核，审核合格后，安排进行下一步的流程。Upon completion of the type test, the certification applicant shall submit the test report to the certification body for review.Upon passing the review, the next procedure shall be arranged.

测试报告要求如下：The requirements for the test report are as following:

1)测试实验室应满足 ISO/IEC 17025 的要求，且应在报告有相应的认可标识。The testing laboratory shall comply with the requirements of ISO/IEC 17025 and bear the corresponding accreditation mark on the report.

2)测试报告的测试项目应为标准规定的全部项目，不应漏测少测。The test items in the test report shall cover all items specified in the standard, with no omissions or deficiencies.

3)测试实验室应留存相关检测记录文件以保证检测过程的可追溯性。The testing laboratory shall retain relevant test records to ensure the traceability of the testing process.

4)测试报告的模板：应按照测试实验室的体系流程，需满足 ISO/IEC17025 相关要求制定的。The test report template shall be formulated in accordance with the laboratory’s system procedures and shall meet the relevant requirements of ISO/IEC 17025.

6.2 初始工厂检查 Factory Inspection

a)工厂检查的目的是对企业质量保证能力和产品一致性是否符合认证要求的评价，认证委托人和生产企业应按照 RF-C-QP009-03《产品认证现场检查表》建立、实施并保持企业质量保证能力和产品一致性控制体系，以确保认证产品持续满足认证要求。The purpose of factory inspection is to evaluate whether the enterprise's quality assurance capability and product consistency meet the certification requirements. The certification applicant and production enterprise shall establish, implement, and maintain the enterprise's quality assurance capability and product consistency control system in accordance with RF-C-QP009-03 " Product certification on-site checklist" to ensure that the certified products continuously meet the certification requirements.

一致性的检查至少要包含如下内容：The consistency inspect should at least include the following contents:

1)产品名称、型号、生产者、必要的警告说明等应当与型式试验报告一致；The product name, model, factory, and necessary warning instructions, etc. shall be consistent with the type test report;

2)认证产品的结构与型式试验报告一致；The structure of the certified product is consistent with the type test report;

3)认证产品所用的关键元器件和材料清单与型式试验报告一致。The list of key components and materials used in the certified product is consistent with the type test report.

b)认证机构应对企业的质量保证能力和产品一致性控制体系进行符合性检查，检查应覆盖认证产品的所有加工场所。必要时，认证机构可以到生产企业外的场所进行延伸检查。The

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY

certification body shall conduct a compliance inspection on the enterprise's quality assurance capability and product consistency control system, and the inspection shall cover all processing sites of the certified products. If necessary, the certification body may conduct extended inspections at locations outside the production enterprise.

c)检查人/日数的安排 Arrangement of inspectors and the number of working days

工厂人数：＜200 人，检查人数：2 人。检查日数：1 日。Factory personnel: Less than 200. Inspector count: 2. Inspection days: 1.

工厂人数每增加 100 人增加 1 人/日。The number of workers in the factory increases by one person per day for every 100 additional workers.

认证机构可以依据工厂实际情况进行人数和日数的适当调整。The certification body can make appropriate adjustments to the number of personnel and the number of working days based on the actual situation of the factory.

d)时限 Time limit

检查应在型式试验合格后进行。原则上应在一年内完成，否则应当重新进行型式试验。The inspection should be carried out after the type test is passed. In principle, it should be completed within one year; otherwise, a new type test should be conducted.

初始工厂检查后五个工作日内（以完成现场检查并收到企业提交的不合格纠正措施博爱高之日起计算）检查组应当向 BCTC 提交工厂检查报告；Within five working days after the initial factory inspection (calculated from the date when the on-site inspection is completed and the enterprise submits the corrective measures for non-conformities to BCTC), the inspection team shall submit the factory inspection report to BCTC.

6.3 认证评价与决定 Certification Evaluation and Decision

认证机构对型式试验结论、初始工厂检查结果和有关资料/信息进行综合评价，做出认证决定。对符合认证要求的，颁发认证证书。对存在不合格结论的，认证机构不予批准认证委托，认证终止。The certification body conducts a comprehensive evaluation of the type test conclusion, initial factory inspection result, and relevant data/information, and makes a certification decision. For those that meet the certification requirements, a certification certificate shall be issued. For those with unqualified conclusions, the certification body shall not approve the certification entrustment, and the certification shall be terminated.

6.4 认证时限 Certification Time Limit

认证机构应对认证的各个环节做出明确的时间规定，并确保相关工作能按时完成。对于符

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY

合要求认证要求的，一般情况下，自认证受理之日起，90 天内向认证委托人出具认证证书。对无法符合认证要求的，认证终止，认证机构应书面形式告知委托人认证中止原因。The certification body shall specify clear time limits for each link of certification and ensure that the relevant work can be completed on time. For those that meet the certification requirements, generally, the certification certificate shall be issued to the certification applicant within 90 days from the date of acceptance of the certification. If the certification requirements cannot be met, the certification shall be terminated, and the certification body shall inform the applicant of the reason for the termination in writing.

7 获证后监督 Post-Certification Supervision

获证后监督是指认证机构对获证产品及其生产企业实施的监督。Post-certification supervision refers to the supervision implemented by the certification body on the certified products and their production enterprises.

7.1 获证后的跟踪检查 Follow-up Inspection after Certification

认证机构应当对获证产品及其生产企业实施有效的跟踪检查，以验证生产企业的质量保证能力持续符合认证要求、获证产品持续符合标准要求，并保持与型式试验样品的一致性 The certification body shall conduct effective follow-up inspections on the certified products and their production enterprises to verify that the production enterprise's quality assurance capability continuously meets the certification requirements, the certified products continuously meet the standard requirements, and maintain consistency with the type test samples.

7.2 获证后的跟踪检查内容 Content of Follow-up Inspection after Certification

获证后的跟踪检查要求同初始工厂检查，生产过程控制的检查应当覆盖生产企业的所有类别和生产线，同时应当检查认证标识和认证证书的使用情况。工厂检查现场结论为“不通过”的，不再进行生产现场抽取样品检测. The requirements for follow-up inspection after certification are the same as those for initial factory inspection. At the same time, the usage of the certification marks and certificates should also be checked. The inspection of production process control shall cover all categories and production lines of the production enterprise. If the on-site conclusion of the factory inspection is "not passed", no sample testing will be carried out at the production site.

7.3 生产现场抽取样品检测原则 Principles for Sampling and Testing at the Production Site

采取生产现场抽取样品检测时，认证委托人、生产者、生产企业应予配合。现场无法抽样的，如企业无法提供销售记录进行延伸抽样的，则对认证证书予以暂停；When conducting sample testing at the production site, the certification applicant, the producer, and the manufacturing enterprise should cooperate. If samples cannot be collected at the site and the enterprise is unable to provide sales

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY

records for extended sampling, the certification certificate will be suspended.

现场抽取的样品，由工厂检查员根据测试报告展示的项目，随机选取项目，安排测试实验室进行测试，并留存抽样与型式试验的相关记录。The samples collected on-site are selected by the factory inspectors based on the items shown in the test report. They randomly choose the items and arrange for the testing laboratory to conduct the tests. Relevant records of sampling and type tests are also retained.

7.4 获证后的监督频次及内容 The frequency and content of post-certification supervision

监督频次：1 年/次（一年内多次获证的，以首次获证时间计算）；Supervision frequency: 1 time per year (If certified multiple times within a year, the date of the first certification will be used for calculation).

监督内容：产品一致性检查+质量保证能力检查+生产现场抽样检测；Supervision content: Product consistency check+Quality assurance capability check+On-site sampling inspection of production site;

7.5 获证后监督结果的评价 Evaluation of the supervision results after obtaining the certification

通过获证后监督的结论，评价通过的，予以证书保持，可以继续适用认证证书和认证标识，反之，BCTC 依据相应情形进行证书的暂停或撤销，并予以公布。Based on the conclusion of the post-certification supervision, if the assessment is passed, the certificate will be maintained and the certification certificate and certification mark can continue to be used. Conversely, BCTC will suspend or revoke the certificate based on the corresponding circumstances and make the announcement.

8 认证证书 Certificate

8.1 认证证书的内容 Content of the certification certificate

认证证书的内容详见 BCTC-C-QP-009 《认证过程管理程序》。The content of the certification certificate can be found in BCTC-C-QP-009 "Certification Process Management Procedure".

8.2 认证证书的保持 Maintenance of Certification Certificate

认证证书有效期为 5 年，有效期内，认证证书的有效性依赖认证机构获证后的监督获得保持。证书有效期满需要延续适用的，认证委托人应在有效期满前 90 天内提出认证委托，如证书有效期内最后一次监督活动评价是符合的，认证机构应在接到认证委托后直接换发新证书。The validity period of the certification certificate is 5 years. During the validity period, the validity of the certification certificate is maintained relying on the post-certification supervision of the certification body. If the validity of the certificate needs to be extended upon expiration, the certification applicant shall submit a certification entrustment 90 days before the expiration date. If the evaluation of the last

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY

supervision activity during the validity period of the certificate is compliant, the certification body shall directly renew the certificate upon receiving the certification entrustment.

8.3 证书的变更与扩展 Change and Extension of Certificate

获证后，当涉及认证证书、产品特性或认证机构规定的其他事项发生变更时，或认证委托人需要扩展已经获得的认证证书覆盖的产品范围时，认证委托人应向认证机构提出变更/扩展委托，变更/扩展经认证机构批准后方可实施。After obtaining the certificate, if there is a change involving the certification certificate, product characteristics, or other matters specified by the certification body, or if the certification applicant needs to expand the product scope covered by the obtained certification certificate, the certification applicant shall submit a change/extension entrustment to the certification body. The change/extension can be implemented only after being approved by the certification body.

认证变更范围 Certification change scope

1)商标更改；Trademark change;

2)由产品命名方法的变化引起的获证产品名称、型号的更改；The changes in the names and models of certified products caused by the changes in the product naming method;

3)不涉及安全问题的修改（型号变更、内部结构的变更）；Modifications that do not involve safety issues (such as model changes, internal structure alterations);

4)证书上增加/减少同种产品的其它型号；Add/Remove other models of the same product to/from the certificate;

5)企业的名称、地址的更改、搬迁；Changes in the name and address of the enterprise, as well as relocation;

6)委托人信息的变更；Change of the client's information;

7)明显影响产品的设计和规范发生了变化（如关键零部件的变化）；It is evident that changes have occurred in the design and specifications of the product (such as changes in key components);

8)到期换证。Renew the certificate upon expiration.

认证机构应在控制风险的前提下，在认证实施细则中明确变更扩展要求，并对变更/扩展内容进行文件检查、检测和/或检查(适用时)，评价通过后方可批准变更/扩展。On the premise of risk control, the certification body shall clarify the change and extension requirements in the certification implementation rules, conduct document inspection, testing and/or inspection (when applicable) on the change/extension content, and approve the change/extension only after passing the evaluation.

认证机构应注明变更/扩展认证证书的版本号 The certification body shall indicate the version

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY

number of the changed/extended certification certificate.

8.4 认证证书的注销、暂停和撤销 Cancellation, Suspension and Revocation of Certificate

认证证书的注销、暂停和撤销依据认证机构的有关规定执行。认证机构应确定不符合认证要求的产品和范围，并采取适当方式对外公告被注销、暂停和撤销的认证证书。The cancellation, suspension, and revocation of the certificate shall be implemented in accordance with the relevant provisions of the certification body. The certification body shall determine the products and scope that do not meet the certification requirements and publicly announce the cancelled, suspended, and revoked certificates in an appropriate manner.

9 认证标志 Certification Mark

认证委托人应确保对认证标志的管理和使用符合 BCTC-C-QP-002《证书与符合性标志管理程序》的相关要求，不得擅自更改标志样式或超范围使用标志。The certification applicant shall ensure that the management and use of the certification mark comply with the relevant requirements of BCTC-C-QP-002 "Management Procedure for Certificates and Conformity Marks", and shall not arbitrarily alter the mark style or use the mark beyond the scope.

认证机构的认证标识如下：The certification mark of the certification body is as follows:



10 认证责任 Certification Responsibility

10.1 认证机构应当对其做出的认证结论负责。The certification body shall be responsible for the certification conclusions it makes.

10.2 承担型式试验检测任务的实验室应当对型式试验结论及型式试验报告负责。The laboratory undertaking the type test task shall be responsible for the type test conclusion and the type test report.

10.3 认证机构及其委派的工厂检查员应对工厂检查结论负责。The certification body and the factory inspectors appointed by it shall be responsible for the factory inspection conclusion.

10.4 认证委托人应当对其所提交的委托资料的真实性、合法性负责。The certification applicant shall be responsible for the authenticity and legality of the entrusted materials submitted by it.

11 信息的公开与提供 Disclosure and provision of information

本认证方案、认证收费标准、认证证书有效、暂停、注销或者撤销的状态可通过公司官网（www.chnbctc.com）查询。

This certification scheme, the certification fee standards, the validity, suspension, cancellation or revocation status of the certification certificates can all be queried through the company's official website (www.chnbctc.com).

12 相关文件 Related Documents

BCTC-C-QP-009 《认证过程管理程序》"Certification process management procedure".

BCTC-C-QP-002《证书与符合性标志管理程序》"Certificate and conformity mark management procedure"

13.相关记录 Related Records

RF-C-QP009-03《产品认证现场检查表》"Product certification on-site checklist"

附件 1 关键零部件信息——移动电源

Annex 1 Critical Components Information——For POWER BANK

部件 Object/part no.	制造商 Manufacturer/ trademark	型号 Type/model	技术参数 Technical data	认证标准 Standard	认证情况 Mark(s) of conformity 1)
外壳 Enclosure					
内部导线 Internal wiring					
PCB 板材 PCB					
- 微控制单元 MCU					
- 恒温器 Thermostat					
- 保险丝 Fuse					
- 正温度系数热敏电阻 PTC					
- 负温度系数热敏电阻 NTC					
- 锂保控制集成电路 Lithium Protection Control IC					
- 金属-氧化物-半导体场效应晶体管 MOSFET					
电芯 Cells					

申请人应提供准确的认证零部件认证信息以确认。The applicant is required to provide accurate certification information of certified components for confirmation.

附件 2 关键零部件信息-信息技术/音视频类、电池充电器

Annex 2 Critical Components Information-For information technology/audio-visual products and Battery Charger

部件 Object/part no.	制造商 Manufacturer/ trademark	型号 Type/model	技术参数 Technical data	认证标准 Standard	认证情况 Mark(s) of conformity 1)
Enclosure					
Internal wiring					
PCB					
- MCU					
- Thermostat					
- Fuse					
- PTC					
- NTC					
-Lithium Protection Control IC					
- MOSFET					
Cells					
Enclosure and plug holder material					
Plug					
Output terminal					
PCB					
Fuse (F1)					
X-Capacitor					
Bleeding resistor					
Y-Capacitor					
Optocoupler					
Electrolytic Capacitor					
Thermistor					
Rectifier Bridge					
Coil choke					
- Bobbin					
- Magnet wire					

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY

- Insulation tape					
-Varnish					
Transformer (T1)					

申请人应提供准确的认证零部件认证信息以确认。The applicant is required to provide accurate certification information of certified components for confirmation.

内部资料-不得复制 BCTC PROPRIETARY INFORMATION-DO NOT COPY