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# INTERNATIONAL STANDARD

## Qi Specification version 2.0 – Part 4: Power Delivery

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# QI SPECIFICATION VERSION 2.0 –

## Part 4: Power Delivery

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IEC 63563-4 has been prepared by technical area 15: Wireless Power Transfer, of IEC technical committee 100: Audio, video and multimedia systems and equipment. It is an International Standard.

It is based on *Qi Specification version 2.0, Power Delivery* and was submitted as a Fast-Track document.

The text of this International Standard is based on the following documents:

| Draft | Report on voting |
|---|---|
| 100/4249/FDIS | 100/4279/RVD |

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

The structure and editorial rules used in this publication reflect the practice of the organization which submitted it.

This document was developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

WIRELESS POWER CONSORTIUM

# Qi Specification

## *Power Delivery*

**Version 2.0**

**April 2023**

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## RELEASE HISTORY

| Specification Version | Release Date | Description |
|---|---|---|
| 2.0 | April 2023 | Initial release of the v2.0 Qi Specification. |

# Table of Contents

# 1 General

The Wireless Power Consortium (WPC) is a worldwide organization that aims to develop and promote global standards for wireless power transfer in various application areas. A first application area comprises flat-surface devices such as mobile phones and chargers in the Baseline Power Profile (up to 5 W) and Extended Power Profile (above 5 W).

## 1.1 Structure of the Qi Specification

**General documents**

- Introduction
- Glossary, Acronyms, and Symbols

**System description documents**

- Mechanical, Thermal, and User Interface
- Power Delivery
- Communications Physical Layer
- Communications Protocol
- Foreign Object Detection
- NFC Tag Protection
- Authentication Protocol

## 1.2 Scope

The *Qi Specification, Power Delivery* (this document) comprises guidelines and requirements for Power Receiver design, including circuitry, power consumption, operating power levels, power transfer efficiency, and standby power.

## 1.3 Compliance

All provisions in the *Qi Specification* are mandatory, unless specifically indicated as recommended, optional, note, example, or informative. Verbal expression of provisions in this Specification follow the rules provided in ISO/IEC Directives, Part 2.

**Table 1: Verbal forms for expressions of provisions**

| Provision | Verbal form |
|---|---|
| requirement | “shall” or “shall not” |
| recommendation | “should” or “should not” |
| permission | “may” or “may not” |
| capability | “can” or “cannot” |

## 1.4 References

For undated references, the most recently published document applies. The most recent WPC publications can be downloaded from http://www.wirelesspowerconsortium.com.