

# INTERNATIONAL STANDARD

Qi Specification version 2.0 –  
Part 3: Mechanical, Thermal, and User Interface

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IEC 63563-3

Edition 1.0 2025-02

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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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ICS 29.240.99; 35.240.99

ISBN 978-2-8327-0186-7

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**QI SPECIFICATION VERSION 2.0 –**
**Part 3: Mechanical, Thermal, and User Interface****FOREWORD**

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IEC 63563-3 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, Mechanical, Thermal, and User Interface* and was submitted as a Fast-Track document.

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

Draft	Report on voting
100/4256/FDIS	100/4278/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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## Qi Specification

### *Mechanical, Thermal, and User Interface*

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**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.

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# 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

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## 1.2 Scope

The *Qi Specification, Mechanical, Thermal, and User Interface* (this document) identifies basic physical design requirements and guidelines for Power Transmitter and Power Receiver Products, including product and system dimensions, alignment of the products, surface temperature rise, and indications to the user.

## 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>. <https://standards.iteh.ai/document/iec-63563-3-2025>