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Wireless Power Transfer - Management - Part 1: Common Components

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola označená vo Vestníku ÚNMS SR č. 03/17

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EUROPEAN STANDARD

**EN 62827-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2016

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English Version

**Wireless Power Transfer - Management - Part 1: Common  
Components  
(IEC 62827-1:2016)**

Transfert de puissance sans fil - Gestion - Partie 1:  
Composants communs  
(IEC 62827-1:2016)

Drahtlose Energieübertragung - Management - Teil 1:  
Gemeinsame Komponenten  
(IEC 62827-1:2016)

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**European foreword**

The text of document 100/2451/CDV, future edition 1 of IEC 62827-1, prepared by Technical Area 15 “Wireless power transfer” of IEC/TC 100 “Audio, video and multimedia systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62827-1:2016.

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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Wireless power transfer – Management –  
Part 1: Common components**

**Transfert de puissance sans fil – Gestion –  
Partie 1: Composants communs**





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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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**Wireless power transfer – Management –  
Part 1: Common components**

**Transfert de puissance sans fil – Gestion –  
Partie 1: Composants communs**

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## WIRELESS POWER TRANSFER – MANAGEMENT –

### Part 1: Common components

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International Standard IEC 62827-1 has been prepared by technical area 15: Wireless power transfer, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this standard is based on the following documents:

CDV	Report on voting
100/2451/CDV	100/2538/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62827 series, published under the general title *Wireless power transfer – Management*, can be found on the IEC website.

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## INTRODUCTION

The IEC 62827 (Wireless power transfer – Management) series provides the management protocol for a wireless power transfer system in which power sources can deliver power to receivers at a distance. IEC 62827 consists of the following parts:

- Part 1: Common components
- Part 2: Multiple devices control management
- Part 3: Multiple sources control management

Part 1 of IEC 62827 defines the definition and functionality for a wireless power transfer system.

Part 2 of IEC 62827 specifies the management protocol of wireless power transfer for multiple devices.

Part 3 of IEC 62827 specifies the management protocol of wireless power transfer for multiple sources.

## WIRELESS POWER TRANSFER – MANAGEMENT –

### Part 1: Common components

#### 1 Scope

This part of IEC 62827 specifies common components of management for multiple sources and devices in a wireless power transfer system, and justifies various functions for wireless power transfer.

This part of IEC 62827 defines the reference models for possible configurations of a wireless power transfer system. The models are specified in additional parts in more detail.

NOTE This standard is applied to a wireless power transfer system for audio, video and multimedia equipment.

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