

**Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 62684:2011 sisaldab Euroopa standardi EN 62684:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 28.02.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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This Estonian standard EVS-EN 62684:2011 consists of the English text of the European standard EN 62684:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 28.02.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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**Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones**  
(IEC 62684)

Spécifications d'interopérabilité de l'alimentation externe commune (EPS) avec des téléphones mobiles permettant l'échange de données  
(CEI 62684)

Spezifikationen für die Interoperabilität eines einheitlichen externen Stromversorgungsgeräts (EPS) für die Anwendung bei datenübertragungsfähigen Mobiltelefonen  
(IEC 62684)

This European Standard was approved by CENELEC on 2010-11-17. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## Foreword

The FprEN 50558 "Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones" was prepared by CENELEC BTTF 135-1 "Common charging capability of mobile telephones" and ratified by CENELEC on 2010-11-17.

The text of FprEN 50558 was taken over as 100/1714/CDV, future edition 1 of IEC 62684, by IEC TC 100, "Audio, video and multimedia systems and equipment", and submitted to the IEC vote for parallel publication in IEC and CENELEC.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2011-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-12-01

This European Standard has been prepared under Mandate M/455 given to CENELEC by the European Commission and the European Free Trade Association.

This standard refers to specifications developed by the USB Implementers Forum that can be found on the USB website at [www.usb.org](http://www.usb.org) (see Annex ZA).

Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 62684 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60950-1 (mod)	-	Information technology equipment - Safety - Part 1: General requirements	EN 60950-1	-
Universal Serial Bus Specification, Revision 2.0	-	<a href="http://www.usb.org/developers/docs/">http://www.usb.org/developers/docs/</a>	-	-
Universal Serial Bus, Cables and Connectors Class Document, Revision 2.0	2007	-	-	-
USB Battery Charging Specification, Revision 1.1	-	<a href="http://www.usb.org/developers/compliance/connectors/">http://www.usb.org/developers/compliance/connectors/</a>	-	-
USB Micro-USB Cables and Connectors Specification, Revision 1.01	-	-	-	-
USB-IF Cable Assembly Test Requirements for Compliant Usage of Connectors and Cables in Micro-USB 1.01	-	<a href="http://www.usb.org/developers/compliance/cable/">http://www.usb.org/developers/compliance/cable/</a>	-	-
USB-IF Connector Test Requirements	-	<a href="http://www.usb.org/developers/compliance/connectors/">http://www.usb.org/developers/compliance/connectors/</a>	-	-

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# INTEROPERABILITY SPECIFICATIONS OF COMMON EXTERNAL POWER SUPPLY (EPS) FOR USE WITH DATA-ENABLED MOBILE TELEPHONES

## 1 Scope

This International Standard specifies the interoperability of common external power supplies for use with data-enabled mobile telephones. It defines the common charging capability and specifies interface requirements for the external power supply.

Safety and EMC aspects are not covered by this International Standard. Safety is covered by IEC 60950-1 and EMC is covered by EN 301 489-34.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60950-1:2005, *Information technology equipment – Safety – Part 1: General requirements*

EN 301 489-34 *Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 34: Specific conditions for External Power Supply (EPS) for mobile phones*

Universal Serial Bus Specification, *Cables and Connectors Class Document*, Revision 2.0, August 2007

(<http://www.usb.org/developers/docs>)

*USB Battery Charging Specification*, Revision 1.1

*USB Micro-USB Cables and Connectors Specification*, Revision 1.01

*USB-IF Cable Assembly Test Requirements for Compliant Usage of Connectors and Cables in Micro-USB 1.01*

*USB-IF Connector Test Requirements*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **adaptor**

device for connecting from a USB Micro-B receptacle/plug to a specific non Micro-USB connector

NOTE An adaptor can also be a cable.