

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Battery charging interface for small handheld multimedia devices –
Part 2: 2 mm barrel type interface conformance testing**

**Interface de charge de batterie pour petits appareils multimédia portables –
Partie 2: Essai de conformité de l'interface de type cylindrique 2 mm**



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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Abbreviations and symbols.....	6
4 Test conditions for the 2 mm barrel charging interface.....	7
4.1 General test conditions.....	7
4.2 Temperature.....	7
4.3 Voltage.....	7
5 Electrical testing of 2 mm barrel type chargers	7
5.1 Maximum transient voltage and current values	7
5.1.1 Test purpose	7
5.1.2 Requirements	7
5.1.3 Test equipment.....	8
5.1.4 Test method	8
5.2 Maximum output ripple voltage.....	9
5.2.1 Test purpose	9
5.2.2 Requirements	9
5.2.3 Test equipment.....	10
5.2.4 Test method	10
5.3 High-frequency voltage components at the charger output	11
5.3.1 Test purpose	11
5.3.2 Requirements	11
5.3.3 Equipment.....	11
5.3.4 Test method	11
5.4 Feel current of AC chargers	12
5.4.1 Test purpose	12
5.4.2 Requirements	12
5.4.3 Equipment.....	12
5.4.4 Test method	12
5.5 Charging voltage / current window.....	13
5.5.1 Test purpose	13
5.5.2 Requirements	13
5.5.3 Equipment.....	14
5.5.4 Test method	14
5.6 Current linearity for chargers	15
5.6.1 Test purpose	15
5.6.2 Requirements	15
5.6.3 Equipment.....	15
5.6.4 Test method	16
6 Electrical testing of 2 mm barrel interface accessories	16
6.1 General.....	16
6.2 Charging voltage / current window.....	16
6.2.1 Test purpose	16
6.2.2 Requirements	16
6.2.3 Equipment.....	16
6.2.4 Test method	16

6.3	Accessory power consumption during device booting	17
6.3.1	Test purpose	17
6.3.2	Requirements	17
6.3.3	Equipment	17
6.3.4	Test method	17
Figure 1	– Maximum duration of charging current overshoot and output voltage undershoot	9
Figure 2	– Maximum peak-to-peak ripple voltage	10
Figure 3	– Maximum high frequency output voltage components	11
Figure 4	– Test set up for high frequency voltage components	12
Figure 5	– Test set up	13
Figure 6	– Charging current/voltage window for 2 mm barrel chargers	14
Figure 7	– Current linearity specification	15
Figure 8	– Maximum current consumption in accessory during boot-up	17
Table 1	– Maximum ripple voltage in different frequency ranges	9
Table 2	– Maximum high-frequency voltage components at the charger output	11

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**BATTERY CHARGING INTERFACE FOR SMALL HANDHELD
MULTIMEDIA DEVICES –**
Part 2: 2 mm barrel type interface conformance testing

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International Standard IEC 62637-2 has been prepared by technical area 1: Terminals for audio, video and data services and content, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This bilingual version (2011-07) replaces the English version.

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

CDV	Report on voting
100/1674/CDV	100/1750/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.

The French version of this standard has not been voted upon.

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

A list of all parts of the IEC 62637 series, under the general title *Battery charging interface for small handheld multimedia devices*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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BATTERY CHARGING INTERFACE FOR SMALL HANDHELD MULTIMEDIA DEVICES –

Part 2: 2 mm barrel type interface conformance testing

1 Scope

This part of the IEC 62637 provides the conformance testing rules and guidelines for equipment built to meet the 2 mm barrel type charging interface specified in the 62637-1.

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 62637-1:2011, *Battery charging interface for small handheld multimedia devices – Part 1: 2 mm barrel interface*

3 Abbreviations and symbols

For the purposes of this document, the following abbreviations apply.

AC	Alternating Current
ATT	ATTenuator
C	Capacitance F
CDN	Coupling/Decoupling Network
Crest factor	Current peak value/current RMS value
dB	Decibel
dB(mW)	Power in dB referring to 1 mW
DC	Direct Current
DUT	Device Under Test
EMC	Electromagnetic Compatibility
ESD	ElectroStatic Discharge
ESR	Effective Series Resistance Ω
f	Frequency in Hz
f_{Ichar}	Charging current change frequency Hz
GND	GrouND
I	Current A
I_{char}	Charging current A
I_{max}	Maximum current A
I_{peak}	Peak current A
L	Inductance H