

EU Declaration of Conformity

According to

Low Voltage Directive 2014 / 35 / EU

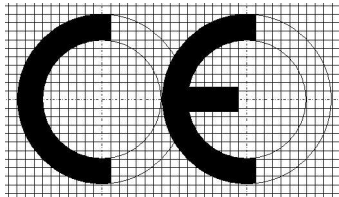
For the following

Product : Li-ion Battery Charger
Model Name : TC-7S10A-S , TC-7S10A-S/MiL
Identification : remark : For use in industrial environments.

Manufactured Name : TABOS Inc.
Manufactured Address : 36-6, 4sandan 3-ro, Jiksan-eup, Seobuk-gu,
Cheonan-si, Chungcheongnam-do,
31040, Republic of Korea.

The submitted sample of the above equipment has been tested for CE marking according to following European Directive and standards:

- Low Voltage Directive 2014/35/EU



The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive.

This verification does not imply assessment of the production of the product.

The CE marking may be affixed if all relevant and effective European Directives with CE are applicable.

The standards relevant for the evaluation of LVD requirements are as follows :

Standard(s) : EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

TABOS Inc.
36-6, 4sandan 3-ro, Jiksan-eup, Seobuk-gu,
Cheonan-si, Chungcheongnam-do,
31040, Republic of Korea.

Date of issue : 04 DEC. 2014




Soo-Yeon Hwang , CEO

TEST REPORT
IEC 60950-1
Information technology equipment – Safety –
Part 1: General requirements

Report Number..... : EMC-CE-S1481

Tested by
 (printed name and signature) : Kwang Ho Lee

K.H. Lee

Approved by
 (printed name and signature) : Jae-Kyu, Lee

J.K. Lee

Date of issue : 2014-12-04

Total number of pages..... : 43 pages

Testing Laboratory : EMC Compliance Ltd.

Address : 65, Sinwon-ro, Yeongtong-gu, Suwon, Kyunggi-do,
 443-390, Korea.

Applicant's name : Tabos Inc.

Address : #3201~3203, ChungNam Techno Park, 43-5, SamEun-Ri, JikSan-
 Eup, Seobuk-gu, CheonAn-City, Chungnam-Do, Republic of Korea.

Test specification:

Standard..... : EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Test procedure..... : CE LVD

Non-standard test method..... : N/A

Test Report Form No. : IEC60950_1F

Test Report Form(s) Originator.... : SGS Fimko Ltd

Master TRF..... : Dated 2014-02

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.



Test item description :	Lithium Battery Charger
Trade Mark	TABOS (주)타보스
Manufacturer :	Same as applicant
Model/Type reference :	TC-7S10A-S, TC-7S10A-S/MiL
Ratings :	Input: AC 230 V ~, 50/60 Hz, 4 A Output: DC 29.4 V $\overline{=}$, 11 A

List of Attachments (including a total number of pages in each attachment):
Attachment 1: 20 pages (European group differences and national differences
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013)
Attachment 2: 2 pages (Photograph)

Summary of testing:	
Tests performed (name of test and test clause): All clauses	Testing location: EMC Compliance Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon, Kyunggi-do, 443-390, Korea

Summary of compliance with National Differences:
List of countries addressed: European group differences.
 The product fulfils the requirements of the standard EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013.

Copy of marking plate:
The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

TABOS (주)타보스 MADE IN KOREA	<small>TITLE : Lithium BATTERY CHARGER MODEL NAME : TC-7S10A-S OUTPUT : DC 29.4V $\overline{=}$ 11 A INPUT : AC 230V ~ 50/60Hz 4.0A Manufacturer, A/S : TABOS Inc. www.tabos.co.kr</small>	CE <div style="border: 1px solid black; padding: 2px; font-size: 8px;"> GREEN : Fully Charged RED : Charging ORANGE : Battery abnormal ORANGE flickering : +,- Reversed </div>	 
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Test item particulars	
Equipment mobility.....:	<input checked="" type="checkbox"/> movable <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input type="checkbox"/> stationary <input type="checkbox"/> for building-in <input type="checkbox"/> direct plug-in <input type="checkbox"/> wall mounted
Connection to the mains.....:	<input checked="" type="checkbox"/> pluggable equipment <input checked="" type="checkbox"/> type A <input type="checkbox"/> type B <input type="checkbox"/> permanent connection <input checked="" type="checkbox"/> detachable power supply cord <input type="checkbox"/> non-detachable power supply cord <input type="checkbox"/> not directly connected to the mains
Operating condition.....:	<input checked="" type="checkbox"/> continuous <input type="checkbox"/> rated operating / resting time:
Access location	<input checked="" type="checkbox"/> operator accessible <input type="checkbox"/> restricted access location
Over voltage category (OVC)	<input type="checkbox"/> OVC I <input checked="" type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input type="checkbox"/> other: No direct connection to the mains
Mains supply tolerance (%) or absolute mains supply values	-10 %, +10 %
Tested for IT power systems	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Not classified
Considered current rating of protective device as part of the building installation (A)	16 A
Pollution degree (PD)	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
IP protection class	IPX0
Altitude during operation (m)	Up to 2000 m
Altitude of test laboratory (m)	70 m
Mass of equipment (kg)	1.7 kg
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement.....	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing	
Date of receipt of test item	2014-11-14
Date (s) of performance of tests	2014-11-15 – 2014-12-03

General remarks:
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.
Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.

Manufacturer's Declaration per sub-clause 4.2.5 of IEC60335-1:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
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When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) : Tabos Inc.
 #3201~3203, ChungNam Techno Park, 43-5, SamEun-Ri, JikSan-Eup, Seobuk-gu, CheonAn-City, Chungnam-Do, Republic of Korea.

General product information:

- The maximum ambient temperature permitted by the manufacturer (T_{ma}): 30 °C
- Overall size of the equipment: 268 mm(W) × 120 mm(D) × 72 mm(H).
- Model differences:
 - TC-7S10A-S is basic model.
 - TC-7S10A-S/MiL is same as basic model except for color of the case.

Abbreviations used in the report:

- normal conditions	N.C.	- single fault conditions	S.F.C
- functional insulation	OP	- basic insulation	BI
- double insulation	DI	- supplementary insulation	SI
- between parts of opposite polarity	BOP	- reinforced insulation	RI

Indicate used abbreviations (if any)