

EU Declaration of Conformity



We, the responsible manufacturer;

Company Name:	Mascot Electronics AS		
Postal Address:	P.O.Box 177, N-1601 Fredrikstad, NORWAY		
Visiting Address:	Mosseveien 109, N-1624 Gressvik, NORWAY		
Telephone:	(+47) 69 36 43 00	E-mail:	sales@mascot.com
		WEB:	www.mascot.com

declare that this Declaration is issued under our sole responsibility and belongs to the following product(s):

Product and intended purpose:	Battery Chargers for Lead-Acid (LA), Li-Ion (LI) or LiFePO4 (LFP) Batteries																																																					
Brand(s):	and/or MASCOT (may also carry additional customer name, logo or trade mark)																																																					
Type(s)/Model(s)/UDI-DI:	2541 (DeskTop) and 2542 (Desk-Top/Direct Plug-In with exchangeable mains plugs)																																																					
Batch / Serial No./UDI-PI:	all CE-marked products produced from the date indicated below (for production date: see marking on the product)																																																					
Description:	<p>Input: 0.9A 100-240VAC 50-60 Hz, Class II</p> <table border="1"> <thead> <tr> <th>Output: LA-versions:</th> <th>LI-versions:</th> <th>LFP-versions:</th> </tr> </thead> <tbody> <tr> <td>6V (7.35VDC 2.7A),</td> <td>1 cell (4.2VDC 2.7A),</td> <td>1 cell (3.65VDC 2.7A),</td> </tr> <tr> <td>12V (14.7VDC 2.2A),</td> <td>2 cell (8.4VDC 2.7A),</td> <td>2 cell (7.3VDC 2.7A),</td> </tr> <tr> <td>24V (29.4VDC 1.2A),</td> <td>3 cell (12.6VDC 2.3A),</td> <td>3 cell (11.0VDC 2.3A),</td> </tr> <tr> <td>36V (44.1VDC 0.8A),</td> <td>4 cell (16.8VDC 2.0A),</td> <td>4 cell (14.6VDC 2.0A),</td> </tr> <tr> <td>48V (58.8VDC 0.6A),</td> <td>5 cell (21.0VDC 1.6A),</td> <td>5 cell (18.3VDC 1.6A),</td> </tr> <tr> <td></td> <td>6 cell (25.2VDC 1.4A),</td> <td>6 cell (21.9VDC 1.4A),</td> </tr> <tr> <td></td> <td>7 cell (29.4VDC 1.2A),</td> <td>7 cell (25.6VDC 1.2A),</td> </tr> <tr> <td></td> <td>8 cell (33.6VDC 1.0A),</td> <td>8 cell (29.2VDC 1.0A),</td> </tr> <tr> <td></td> <td>9 cell (37.8VDC 0.9A),</td> <td>9 cell (32.9VDC 0.9A),</td> </tr> <tr> <td></td> <td>10 cell (42.0VDC 0.8A),</td> <td>10 cell (36.5VDC 0.8A),</td> </tr> <tr> <td></td> <td>11 cell (46.2VDC 0.7A),</td> <td>11 cell (40.2VDC 0.7A),</td> </tr> <tr> <td></td> <td>12 cell (50.4VDC 0.7A),</td> <td>12 cell (43.8VDC 0.7A),</td> </tr> <tr> <td></td> <td>13 cell (54.6VDC 0.6A),</td> <td>13 cell (47.5VDC 0.6A),</td> </tr> <tr> <td></td> <td>14 cell (58.8VDC 0.6A),</td> <td>14 cell (51.1VDC 0.6A),</td> </tr> <tr> <td></td> <td></td> <td>15 cell (54.8VDC 0.6A),</td> </tr> <tr> <td></td> <td></td> <td>16 cell (58.4VDC 0.6A).</td> </tr> </tbody> </table> <p>NOTE: - Versions with output voltage >42.4 VDC are not within the scope of standard EN 60335-2-29 Ed.4 (ref. Cl.10.101).</p>			Output: LA-versions:	LI-versions:	LFP-versions:	6V (7.35VDC 2.7A),	1 cell (4.2VDC 2.7A),	1 cell (3.65VDC 2.7A),	12V (14.7VDC 2.2A),	2 cell (8.4VDC 2.7A),	2 cell (7.3VDC 2.7A),	24V (29.4VDC 1.2A),	3 cell (12.6VDC 2.3A),	3 cell (11.0VDC 2.3A),	36V (44.1VDC 0.8A),	4 cell (16.8VDC 2.0A),	4 cell (14.6VDC 2.0A),	48V (58.8VDC 0.6A),	5 cell (21.0VDC 1.6A),	5 cell (18.3VDC 1.6A),		6 cell (25.2VDC 1.4A),	6 cell (21.9VDC 1.4A),		7 cell (29.4VDC 1.2A),	7 cell (25.6VDC 1.2A),		8 cell (33.6VDC 1.0A),	8 cell (29.2VDC 1.0A),		9 cell (37.8VDC 0.9A),	9 cell (32.9VDC 0.9A),		10 cell (42.0VDC 0.8A),	10 cell (36.5VDC 0.8A),		11 cell (46.2VDC 0.7A),	11 cell (40.2VDC 0.7A),		12 cell (50.4VDC 0.7A),	12 cell (43.8VDC 0.7A),		13 cell (54.6VDC 0.6A),	13 cell (47.5VDC 0.6A),		14 cell (58.8VDC 0.6A),	14 cell (51.1VDC 0.6A),			15 cell (54.8VDC 0.6A),			16 cell (58.4VDC 0.6A).
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The product(s) described above are in conformity with the relevant European Union harmonisation legislation:

2014/35/EU	EU Directive - Safety of electrical equipment ("Low-Voltage Directive") (LVD) recast, repealing Directives 2006/95/EC & 73/23/EEC
2014/30/EU	EU Directive - Electromagnetic Compatibility (EMC) recast, repealing Directives 2004/108/EC & 89/336/EEC
93/42/EEC	EU Directive - General Medical Devices (MDD), Risk Class I Device will from 05.05.2020 be repealed by Regulation (EU) 2017/745
2009/125/EC	EU Directive - Energy Related Products, Ecodesign (ERP) recast, repealing Directive 2005/32/EC (EUP)
2015/863/EU	EU Directive - Restriction on use of Hazardous Substances in EEE ("RoHS3") recast, repealing Directives 2002/95/EC, 2008/35/EC & 2011/65/EU

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The following harmonised standards and technical specifications have been applied:

Electrical Safety (to LVD- & MDD-Directives) (International standards and comments are indicated in brackets):

EN 60950-1	EN 60950-1:2006 + /A1:2010, + /A11:2009, + /AC:2011, + /A12:2011 + /A2:2013 (IEC 60950-1:2005 modified + /A1:2009 modified + /A2:2013 modified, Edition 2.2) (will from 20.06.2019 be replaced by standard EN 62368-1:2014 + /AC:2015, Edition 2.0 (IEC 62368-1:2014, Edition 2.0)	IT-equipment (ITE), Edition 2.2 A/V, ITE & COMM. Equipm.)
EN 60335-1	EN 60335-1:2012 + /AC:2014 + /A11:2014 (IEC 60335-1:2010 modified, Edition 5.0)(also IEC 60335-1:2010 modified + /A1:2013 + /A2:2016, Edition 5.2)	Household and similar appliances-General requirements, Edition 5.0
EN 60335-2-29	EN 60335-2-29:2004 + /A2:2010 (IEC 60335-2-29:2002 + /A1:2004 + /A2:2009, Edition 4.2) (also IEC 60335-2-29:2016, Edition 5.0)	Household and similar appliances-Requirements for battery chargers, Edition 4.2
EN 60601-1	EN 60601-1:2006 + /AC:2010 + /A1:2013 (IEC 60601-1:2005 + /A1:2012)	Medical electrical equipment, Edition 3.1

Electromagnetic Compatibility (to EMC- & MDD-Directives) (International standards and comments are indicated in brackets):

EN 61000-6-1	EN 61000-6-1:2007 (IEC 61000-6-1:2005, Edition 2.0) (also IEC 61000-6-1:2016, Edition 3.0, not yet an EN-norm)	Immunity-residential, comm. & light-industrial environment, Edition 2.0
EN 61000-6-3	EN 61000-6-3:2007 + /A1:2011 & /AC:2012 (IEC 61000-6-3:2006 + /A1:2010)	Emission-residential, comm. & light-industrial environment, Edition 2.1
EN 55014-1	EN 55014-1:2006 + /A1:2009 & /A2:2011 (CISPR 14-1:2005 + /A1:2008 & /A2:2011, Edition 5.2) (also CISPR 14-1:2016, Edition 6.0, but not yet an EN-norm)	Emission-household appliances, Edition 5.2
EN 55014-2	EN 55014-2:1997 + /AC:1997, /A1:2001, /A2:2008 (CISPR 14-2:1997 + /A1:2001 & /A2:2008, Edition 1.2) (also CISPR 14-2:2015, Edition 2.0, but not yet an EN-norm)	Immunity-household appliances, Edition 1.2
EN 55022	EN 55022:2010 + /AC:2011 (Note: EN 55022 was replaced by standard EN 55032 on 05.03.2017) (CISPR 22:2008 modified, Edition 6.0)(Note: CISPR 22 is now replaced by CISPR 32:2012)	Emission-IT-Equipment, Edition 6.0
EN 55024	EN 55024:2010 (CISPR 24:2010, Edition 2.0) (also CISPR 24:2010 + /Corr.1:2011 + /A1:2015, Edition 2.1, but not yet an EN-norm)	Immunity-IT-Equipment, Edition 2.0
EN 55032	EN 55032:2012 + /AC:2013 (CISPR 32:2012 + /Corr.1:2012 + /Corr 2:2012, Edition 1.0) EN 55032:2015 (Note: EN 55032:2015 is not yet published in the Official Journal of the European Union as a Harmonized European Standard under the EMC Directive 2014/30/EU) (CISPR 32:2015 + /Corr.1:2016, Edition 2.0)	Emission-Multimedia Equipment, Edition 1.0 Emission-Multimedia Equipment, Edition 2.0
EN 60601-1-2	EN 60601-1-2:2007 from 31/12/2018: EN 60601-1-2:2015 (IEC 60601-1-2:2007 modified, Edition 3.0)(Note: for IEC: Edition 3.0 is replaced by IEC 60601-1-2:2014, Edition 4.0)	Medical equipment, EMC - Requirements and tests, Edition 3.0 Medical equipment, EMC - Requirements and tests, Edition 4.0

Ecodesign (to ERP-Directive):

Commission Regulation (EC) No 278/2009	implementing Directive 2005/32/EC with regard to ecodesign requirements for no-load condition electric power consumption and average active efficiency of external power supplies (Note: not applicable to Battery Chargers, ref. Article 1.2 item c)
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Additional Information:

Compliance with harmonised standards and technical specifications may have been verified by the manufacturer, by third party testing or by a Certification Body (NCB).

The products are considered Risk Class I devices according to the General Medical Devices Directive.

The product(s) may be produced at production sites (for specific product: see "Made in"-marking on the product):

Mascot Electronics AS P.O.Box 177, N-1601 Fredrikstad, NORWAY	Mascot Baltic OÜ Taevakivi 15 EE-13619 Tallinn ESTONIA	Mascot Power Supplies (Ningbo) Co.,Ltd No.128 Jinchuan Road, Zhenhai Ningbo 315221 CHINA
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The production sites are certified to standard EN 29001:2015 (ISO 9001:2015):

Mascot Electronics AS: Kiwa Teknologisk Institutt certificate ref. 044	Mascot Baltic OÜ: Metrosert certificate ref. K-144	Mascot Power Supplies (Ningbo) Co.,Ltd: DNV-GL certificate ref. 179027-2015
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The most recent issue of this Declaration is available at www.mascot.com.

Fredrikstad, Norway

Place of issue

2018-08-21

Date of issue

Signed on behalf of Mascot Electronics AS


Finn-Erik Wailin, Compliance Manager

Name, function, signature