

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:	Battery Charger for Lead-Acid Batteries																																																																								
Brand(s):	and/or (may also carry additional customer name, logo or trade mark)																																																																								
Type/Model/UDI:	2044, 2045, 2944, 2945 & 2745																																																																								
Description:	Input: 230VAC (model 2745: 100-120VAC auto range), max.3.6A, 50-60Hz, Class I <table><thead><tr><th colspan="2">Output for Lead-Acid Batteries:</th><th colspan="2">Output for Li-Ion Batteries (2044 & 2045 only):</th></tr></thead><tbody><tr><td>12V-version:</td><td>max.14.7VDC max.20A</td><td>1 cells-version:</td><td>max.4.2VDC max.20A</td></tr><tr><td>12V-version:</td><td>max.14.7VDC max.25A</td><td>2 cells-version:</td><td>max.8.4VDC max.20A</td></tr><tr><td>24V-version:</td><td>max.29.4VDC max.10A</td><td>3 cells-version:</td><td>max.12.6VDC max.20A</td></tr><tr><td>36V-version*:</td><td>max.44.1VDC max.6.7A</td><td>4 cells-version:</td><td>max.16.8VDC max.15A</td></tr><tr><td>48V-version*:</td><td>max.58.8VDC max.5.0A</td><td>5 cells-version:</td><td>max.21.0VDC max.12A</td></tr><tr><td></td><td></td><td>6 cells-version:</td><td>max.25.2VDC max.10A</td></tr><tr><td></td><td></td><td>7 cells-version:</td><td>max.29.4VDC max.10A</td></tr><tr><td></td><td></td><td>8 cells-version:</td><td>max.33.6VDC max.8.5A</td></tr><tr><td></td><td></td><td>9 cells-version:</td><td>max.37.8VDC max.7.5A</td></tr><tr><td></td><td></td><td>10 cells-version:</td><td>max.42.0VDC max.7.0A</td></tr><tr><td></td><td></td><td>11 cells-version*:</td><td>max.46.2VDC max.6.0A</td></tr><tr><td></td><td></td><td>12 cells-version*:</td><td>max.50.4VDC max.5.5A</td></tr><tr><td></td><td></td><td>13 cells-version*:</td><td>max.54.6VDC max.5.3A</td></tr><tr><td></td><td></td><td>14 cells-version*:</td><td>max.58.8VDC max.5.0A</td></tr></tbody></table> <table><thead><tr><th colspan="2">Output for LiFePO4 Batteries (2044 & 2045 only):</th></tr></thead><tbody><tr><td>4 cells-version:</td><td>max.14.6VDC max.20A</td></tr><tr><td>8 cells-version:</td><td>max.29.2VDC max.10A</td></tr><tr><td>12 cells-version*:</td><td>max.43.8VDC max.6.7A</td></tr><tr><td>16 cells-version*:</td><td>max.58.4VDC max.5.0A</td></tr></tbody></table> <p>* NOTE: Versions with output voltage >42.4 VDC are not within scope of standard EN 60335-2-29 Ed.4 (ref. Cl.10.101).</p>			Output for Lead-Acid Batteries:		Output for Li-Ion Batteries (2044 & 2045 only):		12V-version:	max.14.7VDC max.20A	1 cells-version:	max.4.2VDC max.20A	12V-version:	max.14.7VDC max.25A	2 cells-version:	max.8.4VDC max.20A	24V-version:	max.29.4VDC max.10A	3 cells-version:	max.12.6VDC max.20A	36V-version*:	max.44.1VDC max.6.7A	4 cells-version:	max.16.8VDC max.15A	48V-version*:	max.58.8VDC max.5.0A	5 cells-version:	max.21.0VDC max.12A			6 cells-version:	max.25.2VDC max.10A			7 cells-version:	max.29.4VDC max.10A			8 cells-version:	max.33.6VDC max.8.5A			9 cells-version:	max.37.8VDC max.7.5A			10 cells-version:	max.42.0VDC max.7.0A			11 cells-version*:	max.46.2VDC max.6.0A			12 cells-version*:	max.50.4VDC max.5.5A			13 cells-version*:	max.54.6VDC max.5.3A			14 cells-version*:	max.58.8VDC max.5.0A	Output for LiFePO4 Batteries (2044 & 2045 only):		4 cells-version:	max.14.6VDC max.20A	8 cells-version:	max.29.2VDC max.10A	12 cells-version*:	max.43.8VDC max.6.7A	16 cells-version*:	max.58.4VDC max.5.0A
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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
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

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 60335-1	EN 60335-1:2012 + /AC:2014 + /A11:2014 Household and similar appliances-General requirements, Edition 5.0 (IEC 60335-1:2010 modified, Edition 5.0)(also IEC 60335-1:2010 modified + /A1:2013 + /A2:2016, Edition 5.2)
EN 60335-2-29	EN 60335-2-29:2004 + /A2:2010 Household and similar appliances-Requirements for battery chargers, Edition 4.2 (IEC 60335-2-29:2002 + /A1:2004 + /A2:2009, Edition 4.2) (also IEC 60335-2-29:2016, Edition 5.0)

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

EN 61000-6-1	EN 61000-6-1:2007 Immunity-residential, comm. & light-industrial environment, Edition 2.0 (IEC 61000-6-1:2005, Edition 2.0) (also IEC 61000-6-1:2016, Edition 3.0, not yet an EN-norm)
EN 61000-6-3	EN 61000-6-3:2007 + /A1:2011 & /AC:2012 Emission-residential, comm. & light-industrial environment, Edition 2.1 (IEC 61000-6-3:2006 + /A1:2010)
EN 55014-1	EN 55014-1:2006 + /A1:2009 & /A2:2011 Emission-household appliances, Edition 5.2 (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)
EN 55014-2	EN 55014-2:1997 + /AC:1997, /A1:2001, /A2:2008 Immunity-household appliances, Edition 1.2 (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)

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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 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

2018-10-26

Date of issue

Signed on behalf of Mascot Electronics AS


Finn-Erik Wailin, Compliance Manager

Name, function, signature