

EU & UK 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																																													
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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 Charger for Li-Ion-, LiFePO ₄ - or Lead-Acid Batteries																																													
Brand(s):	and/or MASCOT (may also carry additional customer name, logo or trade mark)																																													
Type(s)/Model(s)/UDI-DI:	2240 and 2241 (may also carry additional customer model name or part number)																																													
Batch / Serial No./UDI-PI:	all CE- and/or UKCA- marked products produced from the date indicated below (for production date: see marking on the product)																																													
Description:	<p>Input: max. 0.35 A 100-240 VAC 50-60 Hz, Class II</p> <p>Output:</p> <p>versions for Lead-Acid Batteries 6 - 48 V:</p> <table border="1"> <tr> <td>6 V max. 1.3 A</td> <td>12 V max. 1.0 A</td> <td>24 V max. 0.5 A</td> <td>36 V max. 0.35 A</td> <td>48 V max. 0.27 A</td> </tr> </table> <p>versions for Li-Ion Batteries 1 - 16 cell:</p> <table border="1"> <tr> <td>1 cell max. 1.3 A</td> <td>2 cell max. 1.3 A</td> <td>3 cell max. 1.2 A</td> <td>4 cell max. 0.9 A</td> <td>5 cell max. 0.75 A</td> </tr> <tr> <td>6 cell max. 0.65 A</td> <td>7 cell max. 0.56 A</td> <td>8 cell max. 0.49 A</td> <td>9 cell max. 0.43 A</td> <td>10 cell max. 0.39 A</td> </tr> <tr> <td>11 cell max. 0.35 A</td> <td>12 cell max. 0.32 A</td> <td>13 cell max. 0.3 A</td> <td>14 cell max. 0.27 A</td> <td>15 cell max. 0.24 A</td> </tr> <tr> <td>16 cell max. 0.22 A</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>versions for LiFePO₄ Batteries 1 - 16 cell:</p> <table border="1"> <tr> <td>1 cell max. 1.3 A</td> <td>2 cell max. 1.3 A</td> <td>3 cell max. 1.3 A</td> <td>4 cell max. 1.0 A</td> <td>5 cell max. 0.88 A</td> </tr> <tr> <td>6 cell max. 0.73 A</td> <td>7 cell max. 0.64 A</td> <td>8 cell max. 0.56 A</td> <td>9 cell max. 0.5 A</td> <td>10 cell max. 0.45 A</td> </tr> <tr> <td>11 cell max. 0.4 A</td> <td>12 cell max. 0.37 A</td> <td>13 cell max. 0.34 A</td> <td>14 cell max. 0.32 A</td> <td>15 cell max. 0.3 A</td> </tr> <tr> <td>16 cell max. 0.28 A</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>NOTES:</p> <ul style="list-style-type: none"> - Versions with output voltage >42.4 VDC are not within the scope of standard EN 60335-2-29 Ed.4 (ref. Cl.10.101). - For compliance with EN 60601-1 and EN 60950-1 output terminals >60 VDC must be inaccessible to operator and may not be interconnected. 	6 V max. 1.3 A	12 V max. 1.0 A	24 V max. 0.5 A	36 V max. 0.35 A	48 V max. 0.27 A	1 cell max. 1.3 A	2 cell max. 1.3 A	3 cell max. 1.2 A	4 cell max. 0.9 A	5 cell max. 0.75 A	6 cell max. 0.65 A	7 cell max. 0.56 A	8 cell max. 0.49 A	9 cell max. 0.43 A	10 cell max. 0.39 A	11 cell max. 0.35 A	12 cell max. 0.32 A	13 cell max. 0.3 A	14 cell max. 0.27 A	15 cell max. 0.24 A	16 cell max. 0.22 A					1 cell max. 1.3 A	2 cell max. 1.3 A	3 cell max. 1.3 A	4 cell max. 1.0 A	5 cell max. 0.88 A	6 cell max. 0.73 A	7 cell max. 0.64 A	8 cell max. 0.56 A	9 cell max. 0.5 A	10 cell max. 0.45 A	11 cell max. 0.4 A	12 cell max. 0.37 A	13 cell max. 0.34 A	14 cell max. 0.32 A	15 cell max. 0.3 A	16 cell max. 0.28 A				
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The product(s) described above are in conformity with the relevant European Union harmonisation legislation for CE-marking:

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 26.05.2021 be repealed by "MDR" 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

The product(s) described above are in conformity with the relevant U.K. legislation for UKCA-marking:

Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility (EMC) Regulations 2016
The Medical Devices (Amendment etc.) (EU Exit) Regulations 2020, Risk Class I Device
Ecodesign for Energy-Related Products (External Power Supplies) Regulations 2020 Draft Regulation, awaiting implementation
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The following harmonised standards and technical specifications have been applied:

(International editions and comments indicated in brackets):

Electrical Safety (to LVD- & MDD-Directives):

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)	IT-equipment (ITE), Edition 2.2 (OBS! expired for CE-marking !!)
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

Electrical Safety and Electromagnetic Compatibility (to MDR/MDD-Directives):

EN 60601-1	EN 60601-1:2006 + /AC:2010 + /A1:2013 (IEC 60601-1:2005 + /A1:2012)	Medical electrical equipment, Edition 3.1
EN 60601-1-2	EN 60601-1-2:2015 (IEC 60601-1-2:2014, Edition 4.0)	Medical equipment, EMC - Requirements and tests, Edition 4.0

Electromagnetic Compatibility (to EMC-Directive):

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 61000-6-3:2007 + /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 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) (also CISPR 32:2015, Edition 2.0, but not yet an EN-norm)	Emission-Multimedia Equipment, Edition 1.0

Ecodesign to EU ERP-Directive:

Commission Regulation (EC) No 2019/1782	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 (Repealing Commission Regulation (EC) No 2019/1782 from 2020-04-01) (Note: not applicable to Battery Chargers, ref. Article 1.2 item c)
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Ecodesign for U.K.:

Draft Regulation only (awaiting implementation)	Draft "Ecodesign for Energy-Related Products (External Power Supplies) Regulations 2020" (Note: not applicable to Battery Chargers)
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Ecodesign for U.S.A. (Note: depends on battery used !):

US Code of Federal Regulations (CFR) Also called "DoE compliance"	10 CFR Part 430 - Energy Conservation Program for Consumer Products, 10 CFR Part 430, Subpart B - Test Procedures, 10 CFR Appendix Y to Subpart B of Part 430, Uniform Test Method for Measuring the Energy Consumption of Battery Chargers or 10 CFR Appendix Z to Subpart B of Part 430, Uniform Test Method for Measuring the Energy Consumption of External Power Supplies, whichever applicable.
California Code of Regulations (CCR) Also called "CEC-400 compliance" referring to CEC-400-2017-002 "2016 Appliance Efficiency Regulations" issued by California Energy Commission	CCR Title 20 - Public Utilities and Energy, Division 2 - State Energy Resources Conservation and Development Commission, Chapter 4 - Energy Conservation, Article 4 - Appliance Efficiency Regulations, Sections 1601 to 1609

Restriction of the Use of certain Hazardous Substances (RoHS) for EU:

2015/863/EU "RoHS3"	EU Directive - Restriction on use of Hazardous Substances in EEE Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment
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Restriction of the Use of certain Hazardous Substances for UK:

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
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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 EU Medical Devices Directive, EU Medical Devices Regulation and the U.K. Medical Devices (Amendment etc.) (EU Exit) Regulations 2020.

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

- Mascot Baltic OÜ, Taevakivi 15, EE-13619 Tallinn, ESTONIA
- Mascot Power Supplies (Ningbo) Co.,Ltd, No.128 Jinchuan Road, Zhenhai, Ningbo 315221, CHINA

The production sites are certified to standard EN 29001:2015 (ISO 9001:2015) by:

- Mascot Baltic OÜ: Metrosert, certificate ref. K-144
- Mascot Power Supplies (Ningbo) Co.,Ltd: DNV-GL, certificate ref. 179027-2015

Type 2240 may be delivered with 2-pins IEC 60320 inlet for detachable mains cord or with non-detachable mains cord) and may also be delivered as protected against ingress of objects and water according to IP67 to standard EN/IEC 60529 (fitted with non-detachable mains cord and filled with PUR compound)

Type 2241 is for Direct Plug-In (when used with exchangeable mains plug-adapters) and for detachable mains cord.

The most recent issue of this Declaration is available at www.mascot.com.

Fredrikstad, Norway

Place of issue

2021-01-21

Date of issue

Signed on behalf of Mascot Electronics AS

Finn-Erik Wailin, Compliance Manager

Name, function, signature