

EU & UK Declaration of Conformity



We, the responsible manufacturer;

Company Name: **Mascot Electronics AS**

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

Product and intended purpose: **Battery Charger for Lead-Acid, Li-Ion or LiFePO₄ Batteries**

Brand(s): **Ø** and/or **MASCOT** (may also carry additional customer name, logo or trade mark)

Type(s)/Model(s): **2541 and 2542**

UDI-DI: (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: **Input: 0.9A 100-240VAC 50-60 Hz, Class II**

Output:

Charger for Lead Acid Batteries:

"6 V"	Output:	7.35 V ±10%	max. 2.7 A /20 W
"12 V"	Output:	14.7 VDC ±10 %	max. 2.2 A /33 W
"18 V"	Output:	22.20 V ±10%	max. 1.5 A /34 W
"24 V"	Output:	29.40 V ±10%	max. 1.2 A /36 W
"36 V"	Output:	44.10 V ±10%	max. 0.8 A /36 W
"48 V"	Output:	58.80 V ±10%	max. 0.6 A /35 W

Charger for Lithium Batteries:

"1 cell"	Output:	4.20 V ±10%	max. 2.7 A /12 W
"2 cell"	Output:	8.40 V ±10%	max. 2.7 A /23 W
"3 cell"	Output:	12.60 V ±10%	max. 2.3 A /29 W
"4 cell"	Output:	16.80 V ±10%	max. 2.0 A /34 W
"5 cell"	Output:	21.00 V ±10%	max. 1.6 A /34 W
"6 cell"	Output:	25.20 V ±10%	max. 1.4 A /35 W
"7 cell"	Output:	29.40 V ±10%	max. 1.2 A /35 W
"8 cell"	Output:	33.60 V ±10%	max. 1.0 A /35 W
"9 cell"	Output:	37.80 V ±10%	max. 0.9 A /35 W
"10 cell"	Output:	42.00 V ±10%	max. 0.8 A /35 W
"11 cell"	Output:	46.20 V ±10%	max. 0.7 A /33 W
"12 cell"	Output:	50.40 V ±10%	max. 0.7 A /35 W
"13 cell"	Output:	54.60 V ±10%	max. 0.6 A /33 W
"14 cell"	Output:	58.80 V ±10%	max. 0.6 A /35 W

Charger for Li-FePO₄ Batteries:

"1 cell"	Output:	3.65 V ±10%	max. 2.7 A /10 W
"2 cell"	Output:	7.30 V ±10%	max. 2.7 A /20 W
"3 cell"	Output:	10.95 V ±10%	max. 2.3 A /26 W
"4 cell"	Output:	14.60 V ±10%	max. 2.0 A /29 W
"5 cell"	Output:	18.25 V ±10%	max. 1.6 A /29 W
"6 cell"	Output:	21.90 V ±10%	max. 1.4 A /31 W
"7 cell"	Output:	25.55 V ±10%	max. 1.2 A /31 W
"8 cell"	Output:	29.20 V ±10%	max. 1.2 A /35 W
"9 cell"	Output:	32.85 V ±10%	max. 1.0 A /33 W
"10 cell"	Output:	36.50 V ±10%	max. 0.9 A /33 W
"11 cell"	Output:	40.15 V ±10%	max. 0.8 A /33 W
"12 cell"	Output:	43.80 V ±10%	max. 0.7 A /31 W
"13 cell"	Output:	47.45 V ±10%	max. 0.7 A /34 W
"14 cell"	Output:	51.10 V ±10%	max. 0.6 A /31 W
"15 cell"	Output:	54.75 V ±10%	max. 0.6 A /33 W

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"16 cell"	Output:	58.40 V \pm 10%	max. 0.6 A /35 W
Charger for Li-Titanate Batteries:			
"1 cell"	Output:	2.85 V \pm 10%	max. 2.7 A /8 W
"2 cell"	Output:	5.70 V \pm 10%	max. 2.7 A /16 W
"3 cell"	Output:	8.55 V \pm 10%	max. 2.7 A /23 W
"4 cell"	Output:	11.40 V \pm 10%	max. 2.3 A /27 W
"5 cell"	Output:	14.25 V \pm 10%	max. 2.2 A /33 W
"6 cell"	Output:	17.10 V \pm 10%	max. 1.9 A /33 W
"7 cell"	Output:	19.95 V \pm 10%	max. 1.6 A /32 W
"8 cell"	Output:	22.80 V \pm 10%	max. 1.6 A /34 W
"9 cell"	Output:	25.65 V \pm 10%	max. 1.2 A /31 W
"10 cell"	Output:	28.50 V \pm 10%	max. 1.2 A /34 W
"11 cell"	Output:	31.35 V \pm 10%	max. 1.0 A /32 W
"12 cell"	Output:	34.20 V \pm 10%	max. 1.0 A /35 W
"13 cell"	Output:	37.05 V \pm 10%	max. 0.9 A /34 W
"14 cell"	Output:	39.90 V \pm 10%	max. 0.8 A /32 W
"15 cell"	Output:	42.75 V \pm 10%	max. 0.8 A /35 W
"16 cell"	Output:	45.60 V \pm 10%	max. 0.7 A /32 W
"17 cell"	Output:	48.45 V \pm 10%	max. 0.7 A /34 W
"18 cell"	Output:	51.30 V \pm 10%	max. 0.6 A /31 W
"19 cell"	Output:	54.15 V \pm 10%	max. 0.6 A /33 W
"20 cell"	Output:	57.00 V \pm 10%	max. 0.6 A /35 W

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).
- The output from versions with output voltage >45 VDC do not comply with standards EN 60601-1 and EN 60950-1 during fault conditions unless the output circuit is installed to be inaccessible to the user.

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
(EU) 2017/745	EU Regulation - Medical Devices Regulation (MDR), Risk Class I Device Note : The product complies with the necessary EMC and safety standards but is not registered as a medical device according to the procedure in the MDR. amending Directive 2001/83/EC, Regulations (EC) 178/2002 & (EC) 1223/2009 and repealing Directives 90/385/EEC & 93/42/EEC
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:

SI 2016 No. 1101	Electrical Equipment (Safety) Regulations 2016
SI 2008 No. 1597	Electromagnetic Compatibility (EMC) Regulations 2016
SI 2002 No 618, as amended	The Medical Devices Regulations 2002
SI 2012 No. 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
SI 2010 No. 2617	Ecodesign for Energy-Related Products Regulations 2010

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The following harmonised standards and technical specifications have been applied:

(International editions and comments indicated in brackets):

Electrical Safety (to EU LVD-Directive and UK Electrical Equipment Regulations 2016):

EN 62368-1	EN 62368-1:2020 (IEC 62368-1:2018)	IT-equipment (ITE), Edition 3.0
EN 60335-1	EN 60335-1:2012/AC:2014/A11:2014/A13:2017 /A1:2019/A14:2019/A2:2019/A15:2021 (IEC 60335-1:2010 modified + /A1:2013 + /A2:2016, Edition 5.2)	Household and similar appliances-General req, Edition 5.2
EN 60335-2-29	EN 60335-2-29:2021/A2:2021 (IEC 60335-2-29:2016/A1:2019, Edition 5.1)	Household and similar appliances-Requirements for battery chargers, Edition 5.1

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

EN 60601-1	EN 60601-1:2006 + AC:2010 + A1:2013 + AC:2014 + A12:2014 + A2:2021 (IEC 60601-1:2005 + /A1:2012 + /A2:2020)	Medical electrical equipment, Ed 3.2
EN 60601-1-2	EN 60601-1-2:2015 + A1:2021 (IEC 60601-1-2:2014 +A1:2020, Edition 4.1)	Medical equipment, EMC - Requirements and tests, Edition 4.1

Electromagnetic Compatibility (to EU EMC-Directive & UK Electromagnetic Compatibility Regulations 2016):

EN 61000-6-1	EN 61000-6-1:2019 (IEC 61000-6-1:2016, Edition 3.0)	Immunity-residential, comm. & light-industrial environment, Edition 3.0
EN 61000-6-3	EN 61000-6-3:2021 (IEC 61000-6-3:2020, Edition 3.0)	Emission-residential, comm. & light-industrial environment, Edition 3.0
EN 55014-1	EN 55014-1:2021 (CISPR 14-1:2021, Edition 7.0)	Emission-household appliances, Edition 7.0
EN 55014-2	EN 55014-2:2021 (CISPR 14-2:2020, Edition 3.0)	Immunity-household appliances, Edition 3.0
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 55032:2015 + /A1:2020 (CISPR 32:2015, Edition 2.0)	Emission-Multimedia Equipment, Edition 2.0

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 Regulation and the U.K. The Medical Devices Regulations 2002.

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 Building 9, No. 1188, Zhongguan Road, Zhenhai District NINGBO Zhejiang 315200 CN

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 2541 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 2542 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.

Signed on behalf of Mascot Electronics AS

Fredrik Johansen, Compliance Manager

Name, function, signature

Fredrikstad, Norway

2025-11-24

Place of issue

Date of issue