

EU DECLARATION OF CONFORMITY

We, the responsible manufacturer,

Company name: ACCU-24 Batterien & Systeme GmbH
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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: Desktop Battery Charger (also for medical equipment)
Brand(s): **airbat** and/or **ACCU-24** (may also carry additional customer name, logo or trade mark)
Type(s)/Model(s)/UDI-DI: 2040 (in housing with 3-pins IEC 60320/C14 AC-inlet for 3-wire detachable mains cord)
2041 (in housing with 2-pins IEC 60320/C8 AC-inlet for 2-wire detachable mains cord)
2042 (in housing for 2-or 3-wire non-detachable mains cord)
2140 (in housing for 2-or 3-wire non-detachable mains cord, complies with IP67 to IEC 60529)
(may also carry additional customer model name)

Batch / Serial No./UDI-PI: all CE-marked products (for production date: see marking on the product)

Description: **Input:** max. 1.6A 100-240VAC 50-60Hz, Class I or II
Output: as charger for lead-acid batteries 6V to 48V (U_{charge} = max.2.45V/cell): I_{charge} = 4.5A -1.0A
as charger for Li-Ion batteries 1 to 14 cell (U_{charge} = max.4.2V/cell): I_{charge} = 4.5A -1.0A
as charger for LiFePO₄ batteries 1 to 14 cell (U_{charge} = max.3.65V/cell): I_{charge} = 4.5A -1.2A

NOTES: - Versions with output voltage >42.4VDC are not within the scope of standard EN 60335-2-29 Cl.10.101.
- For compliance with EN 60601-1 output terminals >60VDC must be inaccessible to the operator.
- For EN 60950-1 output voltages >60VDC are regarded ELV and may not be accessible or interconnected.
- Versions with output voltage >42.4VDC are not within the scope of standard EN 60335-2-29Ed.4(ref.Cl.10.101).

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93/42/EEC	EU Directive - General Medical Devices (MDD), Risk Class I Device will from 05.05.2020 be repealed by regulation (EU) 2017/745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

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 IT-equipment (ITE), Edition 2.2(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 A/V, ITE & COMM. Equipm.) (IEC 62368-1:2014, Edition 2.0)
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)
EN 60601-1	EN 60601-1:2006 + /AC:2010+/A1:2013 Medical electrical equipment, Edition 3.1 (IEC 60601-1:2005 + /A1:2012)

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Electromagnetic Compatibility (to EMC & MDD-Directives):

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 61000-6-3:2007 + /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)
EN 55022	EN 55022:2010 + /AC:2011 Emission-IT-Equipment, Edition 6.0 (CISPR 22:2008 modified, Edition 6.0) (Note: CISPR 22 is now replaced by CISPR 32:2012)
EN 55024	EN 55024:2010 Immunity-IT-Equipment, Edition 2.0 (CISPR 24:2010, Edition 2.0) (also CISPR 24:2010 + /Corr.1:2011 + /A1:2015, Edition 2.1, but not yet an EN-norm)
EN 55032	EN 55032:2012 + /AC:2013 Emission-Multimedia Equipment, Edition 1.0 (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)
EN 60601-1-2	EN 60601-1-2:2007 Medical equipment, EMC -Requirements and tests, Edition 3.0 from 31/12/2018: EN 60601-1-2: 2015 Medical equipment, EMC - Requirements and tests, Edition 4.0 (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)

Ecodesign (to ERP-Directive):

Commission Regulation (EC) No 278/2009	implementing Directive 2005/32/EC with regard to eco-design 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	Mascot Baltic OÜ	Mascot Power Supplies (Ningbo) Co.,Ltd
P.O.Box 177	Taevakivi 15	No.128 Jinchuan Road, Zhenhai
N-1601 Fredrikstad	EE-13619 Tallinn	Ningbo 315221
NORWAY	ESTONIA	CHINA

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

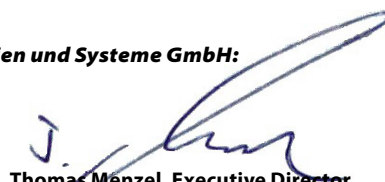
Mascot Electronics AS:	Mascot Baltic OÜ:	Mascot Power Supplies (Ningbo) Co.,Ltd:
Kiwa Teknologisk Institutt	Metrosert	DNV-GL
certificate ref. 044	certificate ref. K-144	certificate ref. 179027-2015

The most recent issue of this declaration is available at www.accu-24.de.

Signed on behalf of ACCU-24 Batterien und Systeme GmbH:

Gedern, Germany
Place of issue

2020-12-05
Date of issue


Thomas Menzel, Executive Director
Name, function, signature