



**Ultrasound
Solutions**

Document Commercial – Commercial Document

DC.QUAL.009

SDT Universal battery charger - Article nr. FUPWSPUN-01:
Certification FAQ

01	GEL 03/09/2015	Original	ADG
Ver.	Editor	Nature of modification	Verified



FAQ 1. What do all symbols on the SDT Universal battery charger exactly mean ?

	cCSA _{US} group logo : this product is approved for Canada and USA
	European Community logo : this product is approved for European Community
Made in Belgium	This product has been proudly designed, manufactured and tested in Belgium
	In accordance with the Waste Electrical and Electronic Equipment (WEEE) Directive 2012/19/EU, please do not throw away old electrical equipment. SDT offers a free 'Take Back' service on old electrical SDT products.
	This apparatus is a double insulated electrical appliance; it does not require a safety connection to electrical earth.
	This symbols means that each individual apparatus has successfully passed a High Voltage Input-to-Output isolation test (3000 VAC during 1 minute)
Input : ... Output : ...	Wide input voltage: this apparatus can be used in the whole world. Output : for information only (this apparatus shall be connected only to SDT equipment)
for ITE use only	The norms that were followed for product design are meant for Information Technology Equipment. Therefore this product can only be used in connection to an ITE...
Only for SDT equipment	... and in fact this apparatus can only be connected to an SDT equipment.
IP40	IP (International Protection) rating ref. IEC-60529 : 1 st digit : 4 : The apparatus is protected from tools and small wires greater than 1 mm, 2 nd digit : 0 : The apparatus is not protected from liquids.
	Indoor use only.
 T 1,6A	This apparatus is protected by an internal fuse (Trag/Slow 1.6 A) ; however the apparatus is closed and there are no user-serviceable parts inside it; opening the apparatus may destroy it, is dangerous, forbidden and will void warranty: service shall only be done by authorized N.V. SDT International S.A. personnel.

FAQ 2. I know the UL mark, but is the CSA mark recognized in the US ?

Yes, the CSA mark is recognized in the US as well as UL mark:

Please see complete legal / commercial information's here :

www.csagroup.org/global/en/about-csa-group/faq/faq/is-the-csa-mark-recognized-in-the-us

FAQ 3. I understand that CSA is recognized in the US, but do they follow the same standards as UL ?

Yes. Technically, certifications are performed by UL (<http://ul.com/>) or CSA (www.csagroup.org) just by referring to the same standards - see detailed information's next paragraph.



FAQ 4. But to which standards exactly does the SDT Universal battery charger conform to ?

- [2006/95/EC - Low Voltage Directive \(LVD\)](#)
Applied Standards (Norms):
 - o EN 60950-1:2005 - Information technology equipment - Safety – Part 1: General requirements and UL-60950
 - o EN 61010-1:2001 - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
- [2004/108/EC - Electromagnetic Compatibility \(EMC\) Directive](#)
Applied Standards (Norms) :
 - o EN 61000-4-2:1995 - Electromagnetic compatibility (EMC) – Part 4-2 Electrostatic discharge immunity test
 - o EN 61000-4-3:2002 Electromagnetic compatibility (EMC) – Part 4-3 Radiated, radio frequency, electromagnetic field immunity test.
- [2011/65/EU – RoHS Directive](#)
 - o The apparatus does not contain substances above 0.1 % mass per product, that are included in the “Candidate List of Substances of Very High Concern (SVHC)” published by the European Chemicals Agency (ECHA) at http://echa.europa.eu/chem_data/candidate_list_table_en.asp

FAQ 5. What is the scope of the Waste Electrical and Electronic Equipment (WEEE) Directive ?

- [2012/19/EU – WEEE Directive](#) provides for the creation of collection schemes where consumers return their Waste Electrical and Electronic Equipment free of charge

FAQ 6. Which practical steps did SDT take in order to guarantee product conformity to the highest possible degree of confidence ?

- S.A. SDT International N.V. has let approve
 - o **Product design** (technical files, calculation notices)
 - o **Prototypes**, and
 - o **Production Tests & Quality Control** by notified bodies:
 - **DEKRA Certification** B.V., Arnhem, The Netherlands www.dekra-certification.com
 - **CSA group** www.csagroup.org
- S.A. SDT International N.V. (incl. the SDT Quality Assurance and Quality Management System) is **ISO-9001 certified** by **Lloyds Register LRQA** www.lrqa.com
(SDT ISO-9001 certificate can be downloaded from www.sdt.eu/index.php?page=downloads&hl=en or directly from ftp://ftp.sdt.eu/pub/thirdPartyCertificates/Certificat_ISO_9001-2008_SDT.pdf).