Certificate of Compliance

Certificate: 70009793 **Master Contract:** 262310

Project: 70009793 **Date Issued:** 2016-03-10

Issued to: **ATIB ELETTRONICA S.r.L..**
Via Industriale 29
Barbariga (BS) , 25030 ,
ITALY
Attention: Mr. Luca Tinti

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only

C US

Issued by: Nico Bos
Nico Bos

PRODUCTS

CLASS 5311-04 POWER SUPPLIES- Battery Chargers
CLASS 5311-84 POWER SUPPLIES- Battery Chargers - Certified to US Standards

Battery charges, industrial semi-automatic type, permanently connected, 1ph and 3ph, 600 V max, 60 Hz, 13.5 KVA max, series 5NPS1,5NAS1,3NAS1,5NPS2,5NAS2,3NAS2,5NPT4,5NAT4, 3NAT4,5NPT6,5NAT6, ,3NAT6 suitable to charge only lead-acid battery (PzS) type.

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

APPLICABLE REQUIREMENTS

CAN/CSA 22.2 No.107.2-01(R2011)	Industrial Battery Charges
UL 1564(4th ed.)	Battery Charges

Certificate: 70009793 **Master Contract:** 262310

Project: 70009793 **Date Issued:** 2016-03-10

Supplement to Certificate of Compliance

Certificate: 70009793 **Master Contract:** 262310

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70009793	2016-03-10	Original Certification of Battery charges, industrial semi-automatic type, permanently connected, 1ph and 3ph, 600 V max, 60 Hz, 13.5 KVA max, series 5NPS1,5NAS1,3NAS1,5NPS2,5NAS2,3NAS2,5NPT4,5NAT4, 3NAT4,5NPT6,5NAT6, ,3NAT6 suitable to charge only lead-acid battery (PzS) type to applicable requirements CSA 22.2 No.107.2(R2011) and UL 1564(4th ed.)

Certificate of Compliance

Certificate: 70176110 **Master Contract:** 262310

Project: 70176110 **Date Issued:** 2019-03-05

Issued to: A.T.I.B. ELETTRONICA S.R.L.
Via Industriale n.29
Barbariga,(BS), 25030
ITALY

Attention: Mr. Luca Tinti

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only

C US

Issued by: Alessandro Raspatelli
Alessandro Raspatelli

PRODUCTS

CLASS – 5311 04 POWER SUPPLIES Battery Chargers
CLASS –5311 84 POWER SUPPLIES Battery Chargers - Certified to US Standards

Battery charger, high frequency type , fully automatic, series HTU (B or 2) input 480 V, 60 Hz, 3 phases, 10.9 kVA max., suitable to charge Lead acid battery types PzS, PzV, GEL, AGM and Ni-Cd battery. Refer to table below for details on series.

Model*	Input Voltage(V)	F(Hz)	Input current(A)	Output Voltage(Vdc)	Output current(Idc)	Power (KVA)
HTUB 24/80	480	60	2.7	24	80	2.2
HTUB 24/100			3.3		100	2.8
HTUB 24/120			4.0		120	3.3
HTUB 24/140			4.7		140	3.9
HTUB 36/80			4.0	36	80	3.3
HTUB 36/100			5.0		100	4.1

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HTUB 36/120			6.0		120	4.9
HTUB 36/140			6.9		140	5.8
HTUB 48/80			5.3	48	80	4.4
HTUB 48/100			6.6		100	5.5
HTUB 48/120			7.9		120	6.6
HTUB 48/140			9.3		140	7.7
HTUB 72/80			7.9	72	80	6.5
HTUB 72/100			9.8		100	8.1
HTUB 72/120			11.8		120	9.8
HTUB 80/80			8.7	80	80	7.2
HTUB 80/100			10.9		100	9.1
HTUB 80/120			13.1		120	10.9
*Model name is followed by suffix “B” identifying provided with display or alternavely can be provided by suffix “2” identifying provided without display						

APPLICABLE REQUIREMENTS

CAN/CSA 22.2 No.107.2-01(R2016)	Battery Chargers
UL 1564(4th ed.)	Industrial Battery Chargers

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Nameplate adhesive label material approval information:

The equipment shall be plainly marked with the following in a permanent manner, in a place where the details will be readily visible after installation:
(a) manufacturer’s name, trademark, trade name, or other recognized symbol of identification;
(b) catalogue, style, model, or other type designation;
(c) rated input voltage;

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(d) frequency;
(e) number of phases, except for equipment obviously intended for single-phase use only;
(f) input in amperes, volt-amperes, or kilovolt-amperes;
(g) output voltage;
(h) output current, including the boost charging current and/or cranking assist current rating, if intended for boost charging and/or cranking assist; and
(f) The month and year of manufacture, as a minimum, shall be marked on each product in a location visible without the use of tools. Date coding, serial numbers, or equivalent means may be used.

WARNING/CAUTION

A cautionary marking shall be prefixed by the word "CAUTION", "WARNING" OR " DANGER" in letters not less than 1/8 inch (3.2 mm) high. The remaining letters shall not be less than 1/16 inch (1.6 mm) high.

- The polarity of the output leads shall be plainly indicated by:
  a) The words "positive " and "negative ";
  b) The signs "+" for positive and "-" for negative; or
  c) Color coding of red for positive and black for negative
- A product shall be marked with the type of battery, number of cells, and ampere-hour rating.
- If a fuse is used to reduce a fire hazard, a marking shall be provided adjacent to the fuseholder to indicate the type, if necessary, and the rating of the fuse that is required.
- "CAUTION: CHARGE ONLY Lid Acid/ Ni-Cd TYPE BATTERIES. OTHER TYPES OF BATTERIES MAY BURST CAUSING
  PERSONAL INJURY AND DAMAGE
  and
  ATTENTION : UTILISER POUR CHARGER UNIQUEMENT LES ACCUMULATEURS DU TYPE _____.
  D'AUTRES TYPES D'ACCUMULATEURS POURRAIENT ÉCLATER ET CAUSER DES BLESSURES OU
  DOMMAGES.
- DANGER: RISK OF ELECTRIC SHOCK. DO NOT TOUCH UNINSULATED PORTION OF OUTPUT
  CONNECTOR OR UNINSULATED BATTERY TERMINAL
  and
  DANGER : RISQUE DE CHOCS ÉLECTRIQUES. NE PAS TOUCHER LES PARTIES NON ISOLÉES DU
  CONNECTEUR DE SORTIE OU LES BORNES NON ISOLÉES DE L'ACCUMULATEUR.
- CAUTION: DISCONNECT SUPPLY BEFORE CHANGING FUSE
  and
  ATTENTION : COUPER L'ALIMENTATION AVANT DE REMPLACER LES FUSIBLES.

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Supplement to Certificate of Compliance

Certificate: 70176110 **Master Contract:** 262310

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70176110	2019-03-05	Original Certification cCSAus of Battery charger, high frequency type , fully automatic, series HTU (B or 2) input 480 V, 60 Hz, 3 phases, 10.9 kVA max., suitable to charge Lead acid battery types PzS, PzV, GEL, AGM and Ni-Cd battery

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Certificate of Compliance

Certificate:	70176110	**Master Contract:**	262310
Project:	80014440	**Date Issued:**	2021-04-13

Issued To: **ATIB Elettronica Srl**
Via XXIV Maggio 2,
Longhena, Brescia, 25030
Italy

Attention: Luca Tinti

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: *Sylvain Lefebvre*
Sylvain Lefebvre

C US

PRODUCTS

CLASS – 5311 04 - POWER SUPPLIES Battery Chargers
CLASS – 5311 84 - POWER SUPPLIES Battery Chargers - Certified to US Standards

Battery chargers, high frequency type, permanently connected to the branch circuit, series HTU (B or 2) yy/zzz - L, HTUB yy/zzz – V, HTUB yy/zzz – ML, HTUB yy/zzz – MV up to 9.6 kW max. in output, suitable to charge Lead acid battery types PzS, PzV, GEL, AGM and Ni-Cd battery only.

Refer to table below for details on series.

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Certificate: 70176110
Project: 80014440

Master Contract: 262310
Date Issued: 2021-04-13

Model*	Input Voltage(Vac)	F(Hz)	No. of input phases	Input current(A)	Output Voltage(Vdc)	Output current(Idc)
HTUB 24/80-L	480	60	3	2.7	24	80
HTUB 24/100-L				3.4		100
HTUB 24/120-L				4.0		120
HTUB 24/140-L				4.7		140
HTUB 24/160-L				5.4		160
HTUB 24/180-L				6.1		180
HTUB 24/200-L				6.7		200
HTUB 36/80-L				4.0	36	80
HTUB 36/100-L				5.0		100
HTUB 36/120-L				6.0		120
HTUB 36/140-L				7.0		140
HTUB 36/160-L				8.0		160
HTUB 36/180-L				9.0		180
HTUB 36/200-L				10.0		200
HTUB 48/80-L				5.3	48	80
HTUB 48/100-L				6.7		100
HTUB 48/120-L				8.0		120
HTUB 48/140-L				9.3		140
HTUB 48/160-L				10.7		160
HTUB 48/180-L				12.0		180
HTUB 48/200-L				13.3		200
HTUB 72/80-L				7.9	72	80
HTUB 72/100-L				9.9		100
HTUB 72/120-L				11.9		120
HTUB 80/80-L				8.8	80	80
HTUB 80/100-L				11.0		100
HTUB 80/120-L				13.2		120

*Model name is followed by suffix “B” identifying provided with display or alternately can be provided by suffix “2” identifying provided without display.

Model*	Input Voltage(Vac)	F(Hz)	No. of input phases	Input current(A)	Output Voltage(Vdc)	Output current(Idc)
HTUB 24/80-V	600	60	3	2.2	24	80
HTUB 24/100-V				2.7		100
HTUB 24/120-V				3.2		120
HTUB 24/140-V				3.8		140
HTUB 24/160-V				4.3		160
HTUB 24/180-V				4.9		180

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Certificate: 70176110
Project: 80014440

Master Contract: 262310
Date Issued: 2021-04-13

Model*	Input Voltage(Vac)	F(Hz)	No. of input phases	Input current(A)	Output Voltage(Vdc)	Output current(Idc)
HTUB 24/200-V				5.4		200
HTUB 36/80-V				3.2	36	80
HTUB 36/100-V				4.0		100
HTUB 36/120-V				4.8		120
HTUB 36/140-V				5.6		140
HTUB 36/160-V				6.4		160
HTUB 36/180-V				7.2		180
HTUB 36/200-V				8.0		200
HTUB 48/80-V				4.3	48	80
HTUB 48/100-V				5.3		100
HTUB 48/120-V				6.4		120
HTUB 48/140-V				7.5		140
HTUB 48/160-V				8.5		160
HTUB 48/180-V				9.6		180
HTUB 48/200-V				10.7		200
HTUB 72/80-V				6.3	72	80
HTUB 72/100-V				7.9		100
HTUB 72/120-V				9.5		120
HTUB 80/80-V				7.0	80	80
HTUB 80/100-V				8.8		100
HTUB 80/120-V				10.6		120

Model*	Input Voltage (Vac)	F (Hz)	No. of input phases	Input current (A)	Output Voltage (Vdc)	Output current (Idc)
HTUB 80/120-ML	480	60	3	0.3 - 13.1	2 - 80	120
HTUB 80/120-MV	600			0.23 - 10.6		120

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No.107.2-01 (reaffirmed 2016) 2nd Ed. - Battery Chargers
ANSI/UL 1564-2013 (R2017) 4th Ed. - Industrial Battery Chargers

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Supplement to Certificate of Compliance

Certificate: 70176110 **Master Contract:** 262310

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80014440	2021-04-13	Update of Report 70176110 to revise the models already approved. In particular modifying the supply system of the internal fans now identical for all HTU series. Added the following new models: HTUB followed by 24/160, 24/180, 24/200, 36/160, 36/180, 36/200, 48/160, 48/180, 48/200 followed by -L. Added the entire new series of HTUB xx/yyy-H and the two multilevel models: HTUB 80/120-ML, HTUB 80/120-MV. All models are in compliance with the requirements of the applicable standards: CAN/CSA 22.2 No.107.2-01(R2016) and UL 1564(4thed.)
70176110	2019-03-04	Original Certification cCSAus of Battery charger, high frequency type , fully automatic, series HTU (B or 2) input 480 V, 60 Hz, 3 phases, 10.9 kVA max., suitable to charge Lead acid battery types PzS, PzV, GEL, AGM and Ni-Cd battery

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