

AT Series MICROPROCESSOR BATTERY CHARGER

3rd PARTY AGENCY APPROVALS

JF5039-00

(Print Revision 7/1/2016 3:35:00 PM)

AT Series products carry a variety of third party agency approvals, and the manufacturer has plans to increase the availability of these in an effort to market these products worldwide. All AT10.1, AT30, and ATevo Series industrial battery chargers are designed, manufactured, tested, and conform to specification [NEMA PE5-1996](#) for utility type battery chargers. The following is a complete listing of approved products, and the certifications they bear:

PRODUCT LINE	CSA-NRTL/C [UL 1012/1564 ⁽²⁾]	CSA C22.2	UL 1012	UL 1564	CUL	CE	FCC	Seismic	ABS PDA
AT10.1 Group 1 6-25 Adc	X ⁽⁵⁾	X ⁽⁵⁾	(2)	(2) / (3)	(3)	X ⁽⁴⁾	X	X	X ⁽⁶⁾
AT10.1 Group 2 30-100 Adc	X ⁽⁵⁾	X ⁽⁵⁾	(2)	(2)		X ⁽⁴⁾	X	X	X ⁽⁶⁾
AT30 Style-5018/5030 ⁽¹⁾	X ⁽⁵⁾	X ⁽⁵⁾	(2)	(2)		X ⁽⁴⁾	X	X	X ⁽⁶⁾
AT30 Style-163 ⁽¹⁾ (up to 400Adc)	X ⁽⁵⁾	X ⁽⁵⁾	(2)	(2)		X ⁽⁴⁾	X	X	X ⁽⁶⁾
AT30 (Style-163/198) ⁽¹⁾ (500Adc and higher)							X		X ⁽⁶⁾
ATevo (single phase 6-25 Adc)	X	X	(7)	(7)				X	

Footnotes

- 1) For model numbers of AT30 enclosure styles, please see product literature [JF5018-00](#).
- 2) Text from HindlePower CSA reports: *The 'NRTL/C' indicator adjacent to the CSA Mark signifies that the product has been evaluated to the applicable ANSI/UL and CSA Standards, for use in the U.S. and Canada. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories, which have been recognized to perform certification to U.S. Standards.*
- 3) Legacy AT10 and AT10.1 Group I battery chargers manufactured before January 1, 2008 featured **UL** labeling and listing to standard UL 1564. As of January 1, 2008, HindlePower's CSA-NRTL/C listing supplies compliance ⁽²⁾ to standards UL 1012 and UL 1564. The French CUL labeling option for the AT10.1 Group I line was *also* dropped on January 1, 2008.
- 4) European **CE** listing of AT Series chargers is available *as ordered* via 3rd Party-verified manufacturer's self-certification process. Additional parts and service charges may apply for CE-marking of the equipment. Please consult the factory and order HindlePower p/n EJ5143-10 for special CE labeling.
- 5) CSA-NRTL/C & C22.2 listings apply to approved models, with **standard** features and options listed in the AT10.1 and AT30 ordering codes. Any deviation from these defined specifications **may** negate agency listings. Please consult the factory with questions about compliance.
- 6) American Bureau of Shipping (ABS) listing of AT Series chargers is available *as ordered*. Please consult the factory and order HindlePower p/n JH0002-02 for Product Design Assessment (PDA).
- 7) Text from HindlePower CSA report (Certificate # 70030245):

APPLICABLE REQUIREMENTS

C22.2 No. 107-2-01 Battery Chargers
 ANSI/UL 1012 Power Units Other Than Class 2 (8th Edition)
 ANSI/UL 1564 Industrial Battery Chargers (4th Edition)

CERTIFICATIONS

CSA-NRTL/C to UL 1012 & UL 1564 Standards ⁽²⁾ (Certificate # 1343720):

AT10.1 Group 1 - entire line ⁽⁵⁾

CSA-NRTL/C to UL 1012 & UL 1564 Standards ⁽²⁾ (Certificate # 1344622):

AT10.1 Group 2 - entire line ⁽⁵⁾

CERTIFICATIONS (continued)**CSA-NRTL/C to UL 1012 & UL 1564 Standards** ⁽²⁾ (Certificate # 1470854):AT30 - Style-5018/5030 ⁽¹⁾⁽⁵⁾**CSA-NRTL/C to UL 1012 & UL 1564 Standards** ⁽²⁾ (Certificate # 2413641):AT30 - Style-163 (up to 400Adc) ⁽¹⁾⁽⁵⁾**CAN/CSA to C22.2 No 107.2-01 (Certificate # 1343720):**AT10.1 Group 1 - entire line ⁽⁵⁾**CAN/CSA to C22.2 No 107.2-01 (Certificate # 1344622):**AT10.1 Group 2 - entire line ⁽⁵⁾**CAN/CSA to C22.2 No 107.2-01 (Certificate # 1470854):**AT30 - Style-5018/5030 ⁽¹⁾⁽⁵⁾**CAN/CSA to C22.2 No 107.2-01 (Certificate # 2413641):**AT30 - Style-163 (up to 400Adc) ⁽¹⁾⁽⁵⁾**CAN/CSA to C22.2 No 107.2-01 (Certificate # 70030245):**ATeVo - Style-5054 (single phase 6-25Adc) ⁽⁷⁾**UL 1564 Standards for Industrial Battery Chargers** ⁽³⁾ (File # E132974):AT10.1 Group 1 - models manufactured *before* January 1, 2008**CUL** ⁽³⁾ (File # E132974):AT10.1 Group 1 - models "as-ordered", manufactured *before* January 1, 2008**CE Emissions and Immunity Tested:**

AT10.1 Group 1, AT10.1 Group 2, and AT30 - entire lines

Application of Council Directive(s): 73/23/EEC & 89/336/EEC

Referenced standards:

EN61000-6-4: CISPR 11 - radiated emissions & CISPR 11 - conducted emissions

EN61000-6-2: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4,

IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-11

CE Listed Utility Battery Charger ⁽⁴⁾ (self-certification process):

AT10.1 Group 1 and Group 2 - entire lines "as-ordered"

AT30 - Style-5018/5030/163 enclosures only ⁽¹⁾ "as-ordered"

- manufactured, tested, labeled to internal standard (CA5000-00)

- Declaration of Conformance report included with each CE listed unit

FCC Rules for Class "A" computing devices Subpart B of Part 15:

AT10.1 Group 1, AT10.1 Group 2 and AT30 - entire lines

Seismic Qualified Assembly (standard NEMA Type-1 enclosure):

1997 Uniform Building Code Standard, all elevations:

1) AT10.1 Group 1 - entire line (Style-586 and Style-594 enclosures)

2) AT10.1 Group 2 - entire line (Style-5017 and Style-5018 enclosures)

3) AT30 - Style-5018 enclosure only

International Building Code 2006 & International Building Code 2009

1) AT30 - Style-5030 enclosure only

IEEE Standard 693 ver. 2005

1) AT30 - Style-163 enclosure

2) ATeVo - Style-5054 enclosure

American Bureau of Shipping (ABS) Product Design Assessment certificate:

AT10.1 Group 1, AT10.1 Group 2 and AT30 - entire lines "as-ordered"

- ABS Rule 2004 Steel Vessel Rules: 1-1-4/3.7, 4-8-3/5.1, 5.3 & 5.9

- ABS Rule 2001 MODU Rules: 4-3-4/7.1, 7.9 & 7.19