

## INTRO

Intella is pleased to introduce the **A.T.I.B product line of forklift battery chargers.**

A.T.I.B is an Italian manufacturer of chargers, established in 1989.

A.T.I.B. manufactures chargers for any battery type and technology, focusing primarily on motive power.

Intella's parent company, Van Gent Forklift Parts, has been marketing the A.T.I.B product line for nearly 10 years with impressive results. After receiving UL and CSA approval, A.T.I.B launched its North American product line in 2016. In addition to its network of distributors around the world, A.T.I.B has years of experience building private label chargers for an impressive list of OEM customers. These OEM customers include lift truck manufacturers, builders of aerial work platforms, cleaning equipment suppliers and battery manufacturers.

A.T.I.B. reinvests profits back into research and development. This catalog features UL certified forklift battery chargers. UL high frequency chargers will be introduced later in 2016.

### CERTIFICATIONS

- ISO 9001: 2000 with WCS since 1996
- CE certification for all products
- DIN standards charging curves
- EMC Protocols
- UL/CSA certification

*All products completely developed and tested by ATIB Elettronica.*

### TECHNICAL EQUIPMENT

- Climatic chamber
- Vibrating testing plaborm
- Test jig for PCB
- LCR meter
- Automatic testing desks



# SERIES 5NAS-T ADVANCED

## TECHNOLOGY

- Wa charging profile suitable for single and double shift operation
- Automatic equalizing/preservation
- Flux disperse power transformer class F
- Profile control by microprocessor
- Input voltages available: Single Phase 120Vac  $\pm$  5% 60Hz / 208-240Vac  $\pm$  5% 60Hz - Three phase 208-240-480  $\pm$  5% 60Hz / 600Vac  $\pm$  5%.  
Power cord to be installed by the customer.
- Cabinet protection degree: IP20

## STANDARD EQUIPMENT / INTERFACES

- Automatic start, charging process and shut off
- Final charging stage: Temporal , Capacitive (Charging factor % and Ah accumulated), Derivative dV/dt. Adjustable in respect of battery usage
- Advanced visualization by 5 leds + DISPLAY for programming and diagnostic / Equalizing setting /Date storage memory /Timer
- Delayed start to avoid sparks

## SECURITY FEATURES

- Reverse polarity protection: fuse
- Flux dispersion power transformer provided with thermal probes
- Double security timer: gassing point / max charging duration.
- Additional thermal protection based on algorithm managed by the electronic board.

## OPTIONALS

- Cables holder (I2C) / download of memory data (last 25 charges accomplished)

## DIMENSIONS (CASE)

P6C: L490XH310XD280mm (L19.25xH12.25xD11 inches)

I2C: L555XH900XD455mm (L22XH35.4XD18 inches)

## SUITABLE BATTERIES

- Lead acid
- single and double shift operation

## MAIN APPLICATIONS

- Forklifts
- Warehouse trucks
- Scissor lifts
- Cleaning machines
- Golf carts



# SERIES 5NAS-T ADVANCED

V	A	Ah (C6) Lead acid			Size – inches 19.25x12.25x11	Phase-Vac	ATIB CODE #	INTELLA #
		8-9	12h	13h				
24	40	198	267	286	P6C	1x120	5NAS1 24/ 40	04501152
24	50	248	333	358	P6C	1x120	5NAS1 24/ 50	04501154
24	60	297	400	430	P6C	1x120	5NAS1 24/ 60	04501156
36	25	124	167	179	P6C	1x120	5NAS1 36/ 25	04501158
36	30	149	200	215	P6C	1x120	5NAS1 36/ 30	04501160
36	40	198	267	286	P6C	1x120	5NAS1 36/ 40	04501162
48	20	99	133	143	P6C	1x120	5NAS1 48/ 20	04501164
48	30	149	200	215	P6C	1x120	5NAS1 48/ 30	04501166

V	A	Ah (C6) Lead acid			Size – inches 22x35.4x18	Phase-Vac	ATIB CODE #	INTELLA #
		8-9	12h	13h				
24	80	396	533	573	12C	1x208-240	5NAS2 24/ 80	04501168
24	100	495	667	716	12C	1x208-240	5NAS2 24/ 100	04501170
24	120	594	800	859	12C	1x208-240	5NAS2 24/ 120	04501172
24	140	693	933	1,003	12C	1x208-240	5NAS2 24/ 140	04501174
24	160	792	1067	1,146	12C	1x208-240	5NAS2 24/ 160	04501176
36	50	248	333	358	12C	1x208-240	5NAS2 36/ 50	04501178
36	60	297	400	430	12C	1x208-240	5NAS2 36/ 60	04501180
36	80	396	533	573	12C	1x208-240	5NAS2 36/ 80	04501182
36	100	495	667	716	12C	1x208-240	5NAS2 36/ 100	04501184
36	120	594	800	859	12C	1x208-240	5NAS2 36/ 120	04501186
36	140	693	933	1,003	12C	1x208-240	5NAS2 36/ 140	04501188
48	50	248	333	358	12C	1x208-240	5NAS2 48/ 50	04501190
48	60	297	400	430	12C	1x208-240	5NAS2 48/ 60	04501192
48	80	396	533	573	12C	1x208-240	5NAS2 48/ 80	04501194
48	100	495	667	716	12C	1x208-240	5NAS2 48/ 100	04501196
48	120	594	800	859	12C	1x208-240	5NAS2 48/ 120	04501198



Chargers include 6 foot output cord. Connectors sold separately.

# SERIES 5NAS-T ADVANCED

V	A	Ah (C6) Lead acid			Size – inches 22x35.4x18	Phase-Vac	ATIB CODE #	INTELLA #
		8-9	12h	13h				
24	80	396	533	573	I2C	3x208-240-480	5NAT4 24/80	04501200
24	100	495	667	716	I2C	3x208-240-480	5NAT4 24/100	04501202
24	120	594	800	859	I2C	3x208-240-480	5NAT4 24/120	04501204
24	140	693	933	1,003	I2C	3x208-240-480	5NAT4 24/140	04501206
24	160	792	1,067	1,146	I2C	3x208-240-480	5NAT4 24/160	04501208
24	180	891	1,200	1,289	I2C	3x208-240-480	5NAT4 24/180	04501210
24	200	990	1,333	1,432	I2C	3x208-240-480	5NAT4 24/200	04501212
36	80	396	533	573	I2C	3x208-240-480	5NAT4 36/80	04501214
36	100	495	667	716	I2C	3x208-240-480	5NAT4 36/100	04501216
36	120	594	800	859	I2C	3x208-240-480	5NAT4 36/120	04501218
36	140	693	933	1,003	I2C	3x208-240-480	5NAT4 36/140	04501220
36	160	792	1,067	1,146	I2C	3x208-240-480	5NAT4 36/160	04501222
36	180	891	1,200	1,289	I2C	3x208-240-480	5NAT4 36/180	04501224
36	200	990	1,333		I2C	3x208-240-481	5NAT4 36/200	04501226
48	80	396	533	573	I2C	3x208-240-480	5NAT4 48/80	04501228
48	100	495	667	716	I2C	3x208-240-480	5NAT4 48/100	04501230
48	120	594	800	859	I2C	3x208-240-480	5NAT4 48/120	04501232
48	140	693	933	1,003	I2C	3x208-240-480	5NAT4 48/140	04501234
48	160	792	1,067	1,146	I2C	3x208-240-480	5NAT4 48/160	04501236
72	80	396	533	573	I2C	3x208-240-480	5NAT4 72/80	04501238
72	100	495	667	716	I2C	3x208-240-480	5NAT4 72/100	04501240
72	120	594	800	859	I2C	3x208-240-480	5NAT4 72/120	04501242
72	140	693	933	1,003	I2C	3x208-240-480	5NAT4 72/140	04501244
80	80	396	533	573	I2C	3x208-240-480	5NAT4 80/80	04501246
80	100	495	667	716	I2C	3x208-240-480	5NAT4 80/100	04501248
80	120	594	800	859	I2C	3x208-240-480	5NAT4 80/120	04501250

Chargers include 6 foot output cord. Connectors sold separately.



# CONNECTORS

	Colour	Wire Size	Amp	Housing+ springs and 2 contacts Part#	Housing only Part#
<b>1. SR / S 50</b>	Grey	10-12 AWG	50A	<b>53148</b>	66689686
	Grey	6 AWG	50A	<b>53149</b>	66689686
	Red	10-12 AWG	50A	<b>53150</b>	66689687
	Red	6 AWG	50A	<b>53151</b>	66689687
<b>2. SR / S 175</b>	Grey	1/0	175A	<b>53154</b>	525153
	Blue	1/0	175A	<b>53155</b>	523379
	Orange	1/0	175A	<b>53156</b>	525155
	Yellow	1/0	175A	<b>53157</b>	518920
	Red	1/0	175A	<b>53158</b>	66689684
	<b>3. SR / S 350</b>	Grey	2/0	350A	<b>53159</b>
Blue		2/0	350A	<b>53160</b>	520046
Yellow		2/0	350A	<b>53161</b>	66689674
Red		2/0	350A	<b>53162</b>	52159
Green		2/0	350A	<b>53163</b>	66689676
Orange		2/0	350A	<b>53164</b>	n/a



*See our complete battery connector catalog for FEM/Euro, and other battery connectors.*