

# 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 3NAS-T ADVANCED

## TECHNOLOGY

- Wa charging profile suitable for single and double shift operation
- Automatic equalizing/preservation
- Flux disperse power transformer class F
- Charging 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 /Date storage memory
- External optional keypad for programming and diagnostic.
- 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

- External optional keypad for programming and diagnostic. / 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 3NAS-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	3NAS1 24/ 40	04501000
24	50	248	333	358	P6C	1x120	3NAS1 24/ 50	04501002
24	60	297	400	430	P6C	1x120	3NAS1 24/ 60	04501004
36	25	124	167	179	P6C	1x120	3NAS1 36/ 25	04501006
36	30	149	200	215	P6C	1x120	3NAS1 36/ 30	04501008
36	40	198	267	286	P6C	1x120	3NAS1 36/ 40	04501010
48	20	99	133	143	P6C	1x120	3NAS1 48/ 20	04501012
48	30	149	200	215	P6C	1x120	3NAS1 48/ 30	04501014



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	3NAS2 24/ 80	04501016
24	100	495	667	716	12C	1x208-240	3NAS2 24/ 100	04501018
24	120	594	800	859	12C	1x208-240	3NAS2 24/ 120	04501020
24	140	693	933	1,003	12C	1x208-240	3NAS2 24/ 140	04501022
24	160	792	1067	1,146	12C	1x208-240	3NAS2 24/ 160	04501024
36	50	248	333	358	12C	1x208-240	3NAS2 36/ 50	04501026
36	60	297	400	430	12C	1x208-240	3NAS2 36/ 60	04501028
36	80	396	533	573	12C	1x208-240	3NAS2 36/ 80	04501030
36	100	495	667	716	12C	1x208-240	3NAS2 36/ 100	04501032
36	120	594	800	859	12C	1x208-240	3NAS2 36/ 120	04501034
36	140	693	933	1,003	12C	1x208-240	3NAS2 36/ 140	04501036
48	50	248	333	358	12C	1x208-240	3NAS2 48/ 50	04501038
48	60	297	400	430	12C	1x208-240	3NAS2 48/ 60	04501040
48	80	396	533	573	12C	1x208-240	3NAS2 48/ 80	04501042
48	100	495	667	716	12C	1x208-240	3NAS2 48/ 100	04501044
48	120	594	800	859	12C	1x208-240	3NAS2 48/ 120	04501046

Chargers include 6 foot output cord. Connectors sold separately.

# SERIES 3NAS-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	3NAT4 24/80	04501048
24	100	495	667	716	I2C	3x208-240-480	3NAT4 24/100	04501050
24	120	594	800	859	I2C	3x208-240-480	3NAT4 24/120	04501052
24	140	693	933	1,003	I2C	3x208-240-480	3NAT4 24/140	04501054
24	160	792	1,067	1,146	I2C	3x208-240-480	3NAT4 24/160	04501056
24	180	891	1,200	1,289	I2C	3x208-240-480	3NAT4 24/180	04501058
24	200	990	1,333	1,432	I2C	3x208-240-480	3NAT4 24/200	04501060
36	80	396	533	573	I2C	3x208-240-480	3NAT4 36/80	04501062
36	100	495	667	716	I2C	3x208-240-480	3NAT4 36/100	04501064
36	120	594	800	859	I2C	3x208-240-480	3NAT4 36/120	04501066
36	140	693	933	1,003	I2C	3x208-240-480	3NAT4 36/140	04501068
36	160	792	1,067	1,146	I2C	3x208-240-480	3NAT4 36/160	04501070
36	180	891	1,200	1,289	I2C	3x208-240-480	3NAT4 36/180	04501072
36	200	990	1,333	1,432	I2C	3x208-240-481	3NAT4 36/200	04501074
48	80	396	533	573	I2C	3x208-240-480	3NAT4 48/80	04501076
48	100	495	667	716	I2C	3x208-240-480	3NAT4 48/100	04501078
48	120	594	800	859	I2C	3x208-240-480	3NAT4 48/120	04501080
48	140	693	933	1,003	I2C	3x208-240-480	3NAT4 48/140	04501082
48	160	792	1,067	1,146	I2C	3x208-240-480	3NAT4 48/160	04501084
72	80	396	533	573	I2C	3x208-240-480	3NAT4 72/80	04501086
72	100	495	667	716	I2C	3x208-240-480	3NAT4 72/100	04501088
72	120	594	800	859	I2C	3x208-240-480	3NAT4 72/120	04501090
72	140	693	933	1,003	I2C	3x208-240-480	3NAT4 72/140	04501092
80	80	396	533	573	I2C	3x208-240-480	3NAT4 80/80	04501094
80	100	495	667	716	I2C	3x208-240-480	3NAT4 80/100	04501096
80	120	594	800	859	I2C	3x208-240-480	3NAT4 80/120	04501098

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.*