

# **nitro**<sup>®</sup>

A BATTERY FULL OF ENERGY

## **PREMIUM QUALITY LEAD ACID BATTERIES**



**Powersports and Utility Applications**



**QUALITY  
BY  
AFAM**

## Introduction



NITRO Batteries are the best possible choice as a replacement battery. From old fashion vent type Standard Batteries to the latest Sealed AGM Gel technology types, every battery is available in the NITRO range. From 50cc scooters to 1800cc Heavy V-Twins, NITRO is the most economical and powerful solution for years of carefree driving pleasure.

### NITRO CONVENTIONAL STANDARD BATTERIES



#### ADVANTAGES

- > GREAT VALUE FOR MONEY
- > COMPLETE RANGE
- > LARGE STOCKS
- > NITRO IS A BRAND 'BY AFAM' WITH THE SAME HIGH LEVEL QUALITY CONTROL
- > 35 YEARS MOTORCYCLE PARTS EXPERIENCE
- > FULL SPECIFICATION LIST AVAILABLE
- > LATEST UPDATED APPLICATIONS AVAILABLE

### NITRO CONVENTIONAL HIGH CRANKING BATTERIES



### NITRO MAINTENANCE FREE BATTERIES



### NITRO SEALED GEL BATTERIES



### NITRO HEAVY V-TWIN BATTERIES



# Nitro Conventional Standard batteries with acid bottle

# Nitro Conventional High Cranking batteries with acid bottle

## BATTERIES WITH ACID BOTTLE



All standard and high cranking (YB) Nitro batteries comes with an individual adapted acid bottle. The right mixture and the right volume of sulfuric acid packed together with your battery.

- ADVANTAGES**
- > NO NEED FOR SEPARATE BATTERY ACID
  - > RIGHT ACID WITH THE RIGHT VOLUME PACKED TOGETHER WITH THE BATTERY
  - > HIGHEST ENGINEERING STANDARDS AND CONSTRUCTION QUALITY
  - > WIDEST MODEL RANGE ON THE AFTER-MARKET
  - > PRODUCT ADDED TO AVOID CRYSTALLIZATION OF THE LEAD PLATES<sup>1</sup>
  - > 30% MORE STARTING CAPACITY THAN STANDARD BATTERIES<sup>1</sup>

<sup>1</sup> Only YB batteries



ITEM REF	VOLT	CAPACITY (Ah)	DIMENSIONS			FILLED WEIGHT (kg)	ACID VOLUME (L)	CHARGE (Amp)		CCA (A)	TERMINAL TYPE	ASSEMBLY FIGURE
	(V)		L	W	H			STD	MAX			
6N4-2A-4 WA -N-	6	4	71	71	96	0,8	0,2	0,4	2			
6N4B-2A WA -N-	6	4	102	48	96	1	0,2	0,4	2			
6N6-3B-1 WA -N-	6	6	99	57	111	1,3	0,3	0,6	3	6		
B39-6 WA -N-	6	7	126	48	126	1,7	0,3	0,7	3,5	6		
B49-6 WA -N-	6	8	91	83	161	2,1	0,5	0,8	4	6		
6N11A-3A WA -N-	6	11	122	62	131	2,1	0,4	1,1	5,5	6		
B38-6A WA -N-	6	13	119	83	161	2,9	0,62	1,3	6,5	6		
YB2.5L-C WA -N-	12	2,5	80	70	105	1	0,24	0,25	1,25	19		
YB3L-A WA -N-	12	3	98	56	110	1,3	0,24	0,3	1,5	32	6	
YB3L-B WA -N-	12	3	98	56	110	1,3	0,24	0,3	1,5	32	6	
YB4L-B WA -N-	12	4	120	70	92	1,5	0,3	0,4	2	56	5	
YB5L-B WA -N-	12	5	120	60	130	2	0,36	0,5	2,5	65	6	
12N5.5-3B WA -N-	12	5,5	135	60	130	2,5	0,4	0,55	2,75	60	6	
12N5.5-4A WA -N-	12	5,5	135	60	130	2,5	0,4	0,6	3	55	2	
12N5.5-4B WA -N-	12	5,5	138	61	131	2,5	0,4	0,55	2,75	60	6	
12N5.5A-3B WA -N-	12	5,5	103	90	114	2,4	0,5	0,55	2,75	58	6	
12N7-3B2 WA -N-	12	7	135	75	133	3	0,5	0,7	3,5	74	4	
YB7-A WA -N-	12	8	135	75	133	3	0,6	0,8	4	124	6	
YB7C-A WA -N-	12	8	130	90	114	3	0,6	0,8	4	124	3	
YB7L-B WA -N-	12	8	135	75	133	2,9	0,6	0,8	4	124	6	
YB7L-B2 WA -N-	12	8	135	75	133	2,9	0,6	0,8	4	124	4	
12N9-3B WA -N-	12	9	135	75	139	3,2	0,6	0,9	4,5	85	6	

ITEM REF	VOLT	CAPACITY (Ah)	DIMENSIONS			FILLED WEIGHT (kg)	ACID VOLUME (L)	CHARGE (Amp)		CCA (A)	TERMINAL TYPE	ASSEMBLY FIGURE
	(V)		L	W	H			STD	MAX			
YB9-B WA -N-	12	9	135	75	139	3,1	0,6	0,9	4,5	130	6	
YB9A-A WA -N-	12	9	135	75	155	3,1	0,6	0,9	4,5	124	6	
YB9L-A2 WA -N-	12	9	135	75	139	3,1	0,6	0,9	4,5	124	2	
YB9L-B WA -N-	12	9	135	75	139	3,1	0,6	0,9	4,5	130	6	
YB10L-A2 WA -N-	12	11	135	90	145	4,2	0,8	1,1	5,5	160	8	
YB10L-B2 WA -N-	12	11	135	90	145	4	0,8	1,1	5,5	160	8	
12N12A-4A-1 WA -N-	12	12	134	80	160	3,7	0,7	1,2	6	113	6	
YB12A-A WA -N-	12	12	134	80	160	4,1	0,8	1,2	6	165	6	
YB12A-B WA -N-	12	12	134	80	160	4	0,75	1,2	6	165	6	
YB12AL-A WA -N-	12	12	134	80	160	4	0,75	1,2	6	165	6	
YB12AL-A2 WA -N-	12	12	134	80	160	4	0,75	1,2	6	165	8	
YB12B-B2 WA -N-	12	12	160	90	130	4	0,8	1,2	6	165	8	
YB12C-A WA -N-	12	12	134	80	175	4,3	0,8	1,2	6	165	4	
12N14-3A WA -N-	12	14	134	89	166	4,5	0,8	1,4	7	128	8	
YB14-A2 WA -N-	12	14	134	89	166	4,6	0,9	1,4	7	190	8	
YB14-B2 WA -N-	12	14	134	89	166	4,6	0,9	1,4	7	190	8	
YB14A-A2 WA -N-	12	14	134	89	176	4,5	0,9	1,4	7	190	8	
YB14L-A2 WA -N-	12	14	134	89	166	4,6	0,9	1,4	7	190	8	
YB14L-B2 WA -N-	12	14	134	89	166	4,6	0,9	1,4	7	190	8	
YB16AL-A2 WA -N-	12	16	207	72	164	5,3	1,1	1,6	8	200	2	
YB16B-A1 WA -N-	12	16	160	90	161	5,1	1	1,6	8	207	7	
HYB16A-AB WA -N-	12	16	151	91	180	5	0,9	1,6	8	210	7	
51814 WA -N-	12	18	186	82	171	5,6	1	1,9	9,5	100	10	
YB18L-A WA -N-	12	18	180	90	162	5,8	1,2	1,8	9	235	7	
51913 WA -N-	12	19	186	82	171	5,6	1	1,9	9,5	100	10	
YB16-B WA -N-	12	19	175	100	155	6,3	1,2	1,9	9,5	240	6	
YB16CL-B WA -N-	12	19	175	100	175	6,1	1,2	1,9	9,5	240	5	
YB16L-B WA -N-	12	19	175	100	155	6,3	1,2	1,9	9,5	240	6	
Y50-N18L-A WA -N-	12	20	205	90	162	7,4	1,4	2	10	260	7	
Y50-N18L-A3 WA -N-	12	20	205	90	162	7,4	1,4	2	10	260	4	
12N24-3 WA -N-	12	24	184	124	175	7,9	1,8	2,4	12	200	3	
U1-9 WA -N-	12	24	195	130	180	7,93	2,5	2,4	12	240	17	
U1R-9 WA -N-	12	24	195	130	180	7,93	2,5	2,4	12	240	17	
Y60-N24AL-B WA -N-	12	28	184	124	170	7,8	1,7	2,8	14	280	3	
Y60-N24L-A WA -N-	12	28	184	124	175	8,6	1,7	2,8	14	300	3	
YHD-12 WA -N-	12	28	206	133	165	8,3	2,2	2,8	14	240	9	
53030 WA -N-	12	30	186	130	171	9,4	1,6	3	15	180	10	
Y60-N30L-A WA -N-	12	30	186	130	171	9,4	1,6	3	15	300	3	
YB30CL-B WA -N-	12	30	168	132	192	8,8	1,7	3	15	300	4	

## Nitro Maintenance Free batteries with AGM technology

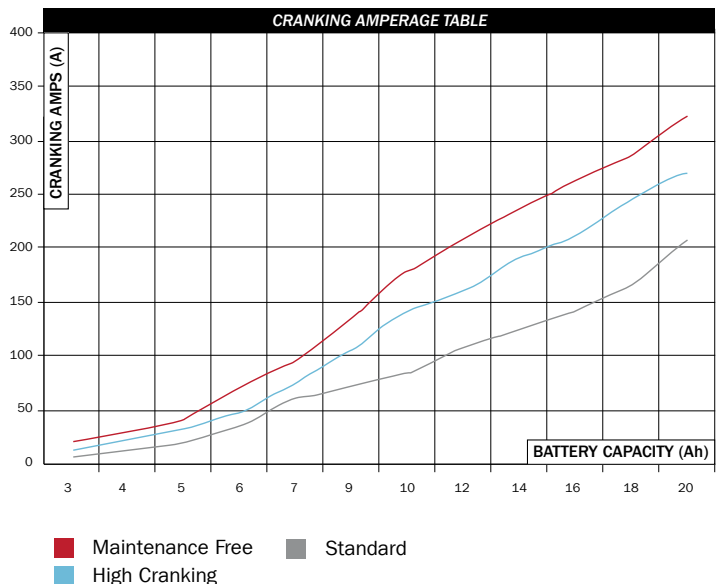
### MAINTENANCE FREE WITH ACID PACK





































Completely free from maintenance with no acid spillage. Delivered with an acid pack designed as a push-on-bottle containing the right volume and degree of acid. Developed for the use in a wider range of temperatures, going from -20°C to +50°C. The unique gas recombination system together with the AGM technology (Absorbed Glass Mat) remarkably prolongs battery life in addition to an extremely stronger cranking capacity.



#### ADVANTAGES

- > SUPERIOR HIGH RATE PERFORMANCE
- > LOWEST SELF DISCHARGE
- > SPECIAL PLATE MATERIAL AND BONE DRY-CHARGE ENABLES SHELF LIFE OVER 2 YEARS
- > CONTAINER IN ABS INSTEAD OF PP FOR HIGHER MECHANICAL RESISTANCE
- > RUBBER SEAL INSTEAD OF PLASTIC SEAL FOR BETTER SEALING
- > ABSORBED GLASS MAT (AGM) TECHNOLOGY



ITEM REF	VOLT	CAPACITY (Ah)	DIMENSIONS			FILLED WEIGHT (kg)	ACID VOLUME (L)	CHARGE (Amp)		CCA (A)	TERMINAL TYPE	ASSEMBLY FIGURE
	(V)		L	W	H			STD	MAX			
YT4B-BS -N-	12	2,3	114	39	87	1,1	0,12	0,23	1,15	40	13	
YT4L-BS -N-	12	3	114	71	86	1,6	0,18	0,3	1,5	40	5	
YT5L-BS -N-	12	4	114	71	106	2	0,24	0,4	2	80	5	
YB5L-BS -N-	12	5	120	60	130	2	0,36	0,5	2,5	65	6	
YT7S-BS -N-	12	6	113	70	105	2,1	0,3	0,6	3	130	5	
YTX7A-BS -N-	12	6	150	87	94	2,6	0,33	0,6	3	105	5	
YTX7L-BS -N-	12	6	114	71	131	2,5	0,33	0,6	3	100	5	
YT7B-BS -N-	12	6,5	150	65	93	2,7	0,33	0,65	3,25	110	11	
YT9B-BS -N-	12	8	150	70	105	3,4	0,4	0,8	4	120	11	
YTX9-BS -N-	12	8	150	87	105	3	0,4	0,8	4	135	5	
YTZ10S-BS -N-	12	8,6	150	87	93	3,2	0,4	0,86	4,3	190	11	
YTX9A-BS -N-	12	9	135	75	135	2,95	0,5	0,9	4,5	135	5	
YT12A-BS -N-	12	10	150	87	105	3,5	0,5	1	5	175	11	
YT12B-BS -N-	12	10	150	69	130	4,1	0,5	1	5	210	11	
YTX12-BS -N-	12	10	150	87	130	4,2	0,6	1	5	180	5	
YTZ12S-BS -N-	12	11	150	87	110	3,7	0,6	1,1	5,5	210	11	
YTZ14S-BS -N-	12	11,2	150	87	110	3,9	0,6	1,12	5,6	230	11	
YTX14-BS -N-	12	12	150	87	145	4,6	0,69	1,2	6	200	5	
YTX14AH-BS -N-	12	12	134	89	166	4,9	0,66	1,2	6	210	4	
YTX14AHL-BS -N-	12	12	134	89	166	4,9	0,66	1,2	6	210	4	
YTX14H-BS -N-	12	12	150	87	145	4,8	0,69	1,2	6	240	4	
YTX14L-BS -N-	12	12	150	87	145	4,6	0,69	1,2	6	200	5	
YT14B-BS -N-	12	12	150	70	145	4,6	0,6	1,2	6	210	11	
YTX15L-BS -N-	12	13	175	87	130	4,8	0,69	1,3	6,5	230	4	
YTX16-BS -N-	12	14	150	87	161	5,3	0,78	1,4	7	230	4	
YTX16-BS-1 -N-	12	14	150	87	161	5,3	0,78	1,4	7	230	1	
YTX20-BS -N-	12	18	175	87	155	6,7	0,93	1,8	9	270	4	
YTX20A-BS -N-	12	18	150	87	161	6	0,82	1,8	9	270	4	
YTX20CH-BS -N-	12	18	150	87	161	6,1	0,82	1,8	9	270	4	
YTX20H-BS -N-	12	18	175	87	155	6,3	0,93	1,8	9	310	4	
YTX20HL-BS -N-	12	18	175	87	155	6,3	0,93	1,8	9	310	4	
YTX20HL-BS-PW -N-	12	18	175	87	175	6,3	0,93	1,8	9	310	4	
YTX20L-BS -N-	12	18	175	87	155	6,7	0,93	1,8	9	270	4	
YTX24H-BS -N-	12	21	205	87	162	7,9	0,99	2,1	10,5	350	4	
YTX24HL-BS -N-	12	21	205	87	162	7,9	0,99	2,1	10,5	350	4	
YTX30L-BS -N-	12	30	166	126	175	9,9	1,4	3	15	385	5	

# Nitro Sealed batteries with AGM & GEL technology

## SEALED AND ACTIVATED BATTERIES



These GEL batteries with AGM (Absorbed Glass Mat) technology are an new alternative for the corresponding Conventional and Maintenance Free types. Thanks to addition of Silica into the Acid, the liquid inside the battery becomes a jelly substance. The GEL batteries are filled and activated in the factory. This makes them immediately ready for use after taking from the shelf.



**ADVANTAGES**

- > THE ACID IS IN GEL FORM INJECTED IN THE BATTERY
- > NO ACID LEAKAGE POSSIBLE
- > LOWER SELF DISCHARGE DURING STOCK KEEPING AND USE
- > ABSOLUTELY SPILL-FREE. ENVIRONMENT FRIENDLY
- > CAN BE FITTED IN ANY POSITION (EXCEPT UPSIDE DOWN)
- > IMMEDIATELY READY FOR USE
- > BETTER VIBRATION RESISTANCE
- > LONGER STARTING CAPABILITY
- > ABSOLUTELY MAINTENANCE FREE
- > ABSORBED GLASS MAT (AGM) TECHNOLOGY

ITEM REF	VOLT	CAPACITY (Ah)	DIMENSIONS			FILLED WEIGHT (kg)	ACID VOLUME (L)	CHARGE (Amp)		CCA (A)	TERMINAL TYPE	ASSEMBLY FIGURE
	(V)		L	W	H			STD	MAX			
YTR4A-BS -N-	12	2,3	114	49	86	1,1	0,14	0,23	1,15	45	12	
YTC4L-BS -N-	12	4	114	71	86	1,4	0,18	0,4	2	75	5	
YTC5L-BS -N-	12	5	114	71	106	2	0,24	0,5	2,5	80	5	
YTZ7S -N-	12	6	113	70	105	2,1	0,33	0,6	3	130	5	
YTX7A-BS GEL -N-	12	6	150	87	94	2,6	0,33	0,6	3	105	5	
YTX7L-BS GEL -N-	12	6	114	71	131	2,5	0,33	0,6	3	100	5	
YT7B-4 -N-	12	6,5	150	65	93	2,7	0,33	0,65	3,25	110	11	
YT9B-4 -N-	12	8	150	70	105	3,4	0,4	0,8	4	120	11	
YTX9-BS GEL -N-	12	8	150	87	105	3	0,4	0,8	4	135	5	
YTZ10S -N-	12	8,6	150	87	93	3,2	0,4	0,86	4,3	190	11	
YB9-B SEALED -N-	12	9	135	75	139	3,1	0,6	0,9	4,5	130	6	
YT12A-BS GEL -N-	12	10	150	87	105	3,5	0,5	1	5	175	11	
YT12B-4 -N-	12	10	150	69	130	4,1	0,5	1	5	210	11	
YTX12-BS GEL -N-	12	10	150	87	130	4,2	0,6	1	5	180	5	
YB10L-A2 GEL -N-	12	11	135	90	145	5	0,8	1,1	5,5	160	8	
YTZ12S -N-	12	11	150	87	110	3,7	0,6	1,1	5,5	210	11	
YTZ14S -N-	12	11,2	150	87	110	3,9	0,6	1,12	5,6	230	11	
YTX14-BS GEL -N-	12	12	150	87	145	4,6	0,69	1,2	6	200	5	
YT14B-4 -N-	12	12	150	70	145	4,6	0,6	1,2	6	210	11	
YB14L-A2 GEL -N-	12	14	134	89	166	5,5	0,9	1,4	7	190	8	
YB16AL-A2 GEL -N-	12	16	207	72	164	6,4	1,1	1,6	8	200	2	
YTX20L-BS GEL -N-	12	18	175	87	155	6,7	0,93	1,8	9	270	4	
51913 SEALED -N-	12	20	186	82	171	5,6	1	2	10	190	10	
Y50-N18L-A GEL -N-	12	20	205	90	162	8,8	1,4	2	10	260	7	



# Nitro Heavy V-Twin (HVT) GEL batteries with AGM technology

## HVT GEL BATTERIES WITH AGM TECHNOLOGY



The newly designed inner plates together with the AGM technology results in better performance. The cold cranking capacity of the Nitro HVT batteries are remarkably better than comparable conventional HVT batteries.

Nitro HVT batteries have patented terminals with lower internal resistance, higher cranking and better output power. Very high discharge capability and better starting ability. Due to a special grid design in combination with the GEL technology, all NITRO HVT batteries have a superb vibration resistance

### ADVANTAGES

- > BETTER PERFORMANCE
- > BETTER AND EASIER STARTING
- > PATENTED TERMINALS
- > VERY HIGH DISCHARGE CURRENT
- > READY FOR USE, SEALED, FILLED WITH ACID AND CHARGED<sup>1</sup>
- > SUPERB VIBRATION RESISTANCE
- > AGM GEL TECHNOLOGY, EXCEPT HVT 10 -N- (CONVENTIONAL TYPE)



ITEM REF	VOLT	CAPACITY	DIMENSIONS			FILLED WEIGHT	ACID VOLUME	CHARGE (Amp)		CCA	TERMINAL TYPE	ASSEMBLY FIGURE
	(V)		(Ah)	L	W			H	(kg)			
HVT 10 -N-	6	22	115	100	214	4,7	1	2,2	11		9	
HVT 09 -N-	12	8	136	75	134	3	0,3	0,7	3,5	130	6	
HVT 08 -N-	12	14	148	86	144	4,8	0,55	1,2	6	220	15	
HVT 03 -N-	12	14	148	86	144	4,8	0,55	1,2	6	220	15	
HVT 01 -N-	12	20	175	87	155	6,6	0,8	2	10	310	15	
HVT 04 -N-	12	22	173	98	154	7,5	0,8	1,9	9,5	325	15	
HVT 05 -N-	12	22	173	98	154	7,5	0,8	1,9	9,5	325	15	
HVT 06 -N-	12	23	203	88	162	8,5	1	2,2	11	350	15	
HVT 07 -N-	12	30	203	130	165	8,6	1,2	2,8	14	370	9	
HVT 02 -N-	12	30	169	131	174	9,9	1,3	3	15	400	15	

## Battery terminal types

TERMINAL TYPE	FRONT	SIDE	TOP
1			
2			
3			
4			
5			
6			
7			
8			
9			

TERMINAL TYPE	FRONT	SIDE	TOP
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**QUALITY  
BY  
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