

## TWO WHEELER BATTERIES



# AUTOKRAFT POWER⚡READY



Enhanced Starting Power



Longer Battery Life



Superior Reliability



Maximum Performance

## CONTENT

■ ABOUT US	01
■ PRODUCT RANGE	02
■ SEALED MAINTENANCE FREE BATTERY	03-04
■ CONVENTIONAL / FLOODED BATTERY	05-06
■ GEL BATTERY	07
■ DRY CHARGE MF BATTERY	07-08
■ BATTERY CHARGER	08
■ BATTERY TERMINAL	09



## ABOUT US

**Techkraft Industries Limited** is the company behind the brand – “**Autokraft**”. We are one of the top manufacturers and exporters of Batteries and other two wheeler spare parts.

The promise of quality and an unmatched product mix is what we work for. We can proudly say that we are one of the best companies in Automotive industry who value their customer requirements and continuously working towards that.

We also strive to assure our customers that the in-house quality control team constantly monitors every aspect of business, from production to our valued customers. Our expert team ensures that each product supplied is of the highest standards. With a focus on value in each phase, we lay emphasis on product quality, packaging as well as distribution.

We also manufacture E-bike, automotive batteries, tyres and tubes, Lights, Solar Pumps, Solar Battery.

## AUTOKRAFT – OUR BRAND

We believe in perfection, precision and quality. Our batteries incorporate latest technology, devised in our state-of-the art R & D facilities to power motorcycles around the globe.

Our product is designed to deliver exactly what the market and an avid consumer needs:

- Enhanced Starting Power
- Longer Battery Life
- Superior Reliability
- Maximum Performance

Autokraft batteries are small, light and more volume sealed and activated.



## RELIABLE AND SECURE

**Autokraft** batteries are the trusted choice around the world. Our batteries incorporate high energy density, advanced plate technology and a sealed construction to provide complete peace of mind. Other features include:

- Superb recovery from deep discharge
- Electrolyte suspension system
- No watering due to gas recombination
- Usable in any orientation but not continuously inverted
- Superior energy density

## PRESENTING OUR RANGE OF BATTERIES:

Sealed Maintenance Free (SMF) Battery

Conventional / Flooded Battery

Gel Battery

Dry Charge MF Battery



## SEALED MAINTENANCE FREE BATTERY

We offer a vast range of Sealed Maintenance Free Batteries (SMF) with no requirement to add water and it's completely sealed. SMF batteries look different than other battery types. They are more compact because there is no free electrolyte (it is used in the form of gel which fills the cavity of plates) making them more "volume efficient" and taking less space for their energy storing capacity. Because they are filled with electrolyte only one time during activation, so there are no filler caps. Instead a sealing plug permanently covers the filler ports. Also, there is no vent tube in this battery.

A "factory activated" battery does not require filling before installation. An extensive activation process ensures complete absorption of the electrolyte so no liquid acid is contained within the battery. This process allows these batteries to be shipped from the factory ready to install.



### Thru-Partition Construction

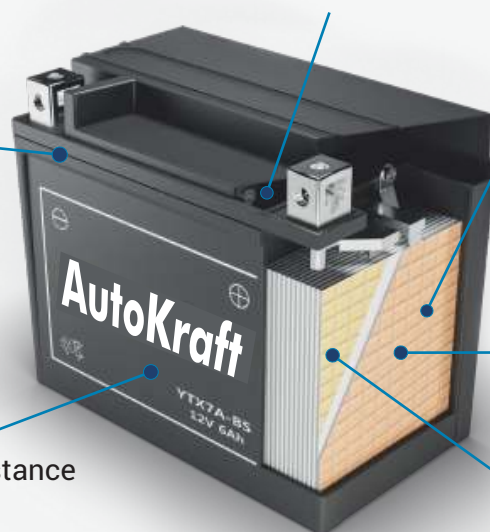
Provides shorter current path with less resistance than "over the partition" construction - you get more cranking power when you need it!

### Heat Sealed Case to Cover

Protects against seepage and corrosion - bonded unit gives extra strength.

### Polypropylene Cover and Container

Assures reserve electrolyte capacity for cooler operating temperatures; gives greater resistance to gas and oil - and impact in extreme weather conditions!



### Special Active Material

Is compounded to with stand vibration, prolong battery life and dependability.

### Special Grid Design

Withstands severe vibration, assures maximum conductivity.

### Special Separator

Makes the battery spill proof. Valve regulated design eliminates water loss and the need to refill with acid.

## SEALED MAINTENANCE FREE BATTERY FEATURES:

<ul style="list-style-type: none"> <li>• Fully Sealed &amp; Maintenance Free</li> <li>• Lead-calcium technology</li> <li>• Good charge acceptance</li> <li>• High corrosion resistance</li> <li>• Higher cold cranking start up</li> </ul>	<ul style="list-style-type: none"> <li>• High vibration resistance</li> <li>• Spill-Proof</li> <li>• Higher performance / capacity plus</li> <li>• Factory charged ready to use</li> <li>• Low self discharge</li> </ul>	<ul style="list-style-type: none"> <li>• Improved safety</li> <li>• Leakage proof</li> <li>• Extreme durability</li> <li>• Absolute safety and convenience</li> <li>• Hassle-free installation and use</li> </ul>
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S No	Model	Type	Terminal	Voltage	Capacity	Size (mm)		
				(V)	(Ah)	L	W	H
1	12N5-3B/YB5L-BS	SMF	- +	12	4	120	61	130
2	12N7A-3A	SMF	- +	12	7	150	60	130
3	12N7-3A	SMF	+ -	12	7	137	77	126
4	12N7-3B	SMF	- +	12	7	137	77	126
5	12N9-4B	SMF	+ -	12	9	133	77	136
6	12N9-4B-1	SMF	+ -	12	9	133	77	136
7	12N9-BS	SMF	+ -	12	9	133	77	136
8	12N9-3B	SMF	+ -	12	9	133	77	136
9	YB2.5L-BS	SMF	- +	12	2.5	80	70	105
10	YTX3L-BS	SMF	- +	12	3	98	56	110
11	YTX4L-BS	SMF	- +	12	4	114	70	85
12	YTX5L-BS	SMF	- +	12	4	114	70	105
13	12N6.5L-BS	SMF	- +	12	6.5	139	66	100
14	YTX7A-BS	SMF	+ -	12	7	150	87	93
15	YTX7L-BS	SMF	- +	12	7	114	70	130
16	YTX9-BS	SMF	+ -	12	9	150	87	105
17	YTX12-BS	SMF	+ -	12	12	150	87	130
18	YTX14-BS	SMF	+ -	12	14	152	87	145

## CONVENTIONAL / FLOODED BATTERY

We offer vast range of Dry Charge Batteries or Conventional Batteries. Our batteries are designed to have filler caps and vent tubes.

Our batteries have more cranking power (up to 30%) for their physical size than other standard Conventional battery. The plate surface area in the battery is increased by the use of thin, high-tech separators that make room for extra plates within each cell.

### FEATURES:

- 20% - 30% more starting power than conventional batteries
- More plates per cell
- High cranking under different climatic conditions
- Anti Sulfation Protection given for consistent performance
- Battery Containers designed for ultra-low vibrations, high durability and longer service life
- Low self-discharge means longer ideal life even after adding electrolyte



#### Heat Sealed Case to Cover

Protects against seepage and corrosion bonded unit gives extra strength.

#### Sealed Post

Prevents acid seepage, reduces corrosion - extends battery life.

#### Polypropylene Cover and Container

Assures reserve electrolyte capacity for cooler operating temperatures; gives greater resistance to gas and oil - and impact in extreme weather conditions!

#### Special Separator

Provides high cranking power

#### Thru-Partition Construction

Provides shorter current path with less resistance than "over the partition" construction - you get more cranking power when you need it.

#### Special Active Material

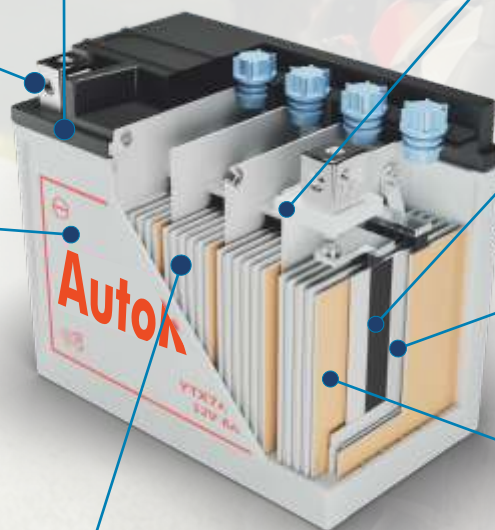
Is compounded to with stand vibration, prolong battery life and dependability.

#### Special Grid Design

With stands severe vibration, assures maximum conductivity.

#### Heavy Duty Glass Mat

Resists shredding of active material even under severe vibration.



## CONVENTIONAL / FLOODED BATTERY

S No	Model	Type	Terminal	Voltage	Capacity	Size (mm)		
				(V)	(Ah)	L	W	H
1	6N4-2A	DC	+ -	6	4	71	71	96
2	6N4-2A-2	DC	+ -	6	4	71	71	96
3	6N4-2A-4	DC	+ -	6	4	71	71	96
4	6N4-2A-7	DC	+ -	6	4	71	71	96
5	6N6-3B-1	DC	- +	6	5	99	57	111
6	6N6-1B-1	DC	- +	6	5	99	57	111
7	12N5-3B	DC	- +	12	4	120	61	130
8	12N5-4B	DC	+ -	12	4	120	61	130
9	YB5L-B	DC-HD	- +	12	4	120	61	130
10	12N6-3B	DC	- +	12	6	137	72	95
11	YB6L-B	DC-HD	- +	12	6	137	72	95
12	12N6.5-3B	DC	- +	12	6.5	138	73	107
13	YB6.5L-B	DC-HD	- +	12	6.5	138	73	107
14	12N7A-3A	DC	- +	12	7	150	60	130
15	12N7B-3A	DC	- +	12	7	150	60	130
16	12N7A-4A	DC	+ -	12	7	150	60	130
17	12N7B-4A	DC	+ -	12	7	150	60	130
18	YB7B-B	DC-HD	+ -	12	7	150	60	130
19	12N7-3A	DC	- +	12	7	135	75	133
20	12N7-3B	DC	- +	12	7	135	75	133
21	12N7-4A	DC	+ -	12	7	135	75	133
22	12N7-4B	DC	+ -	12	7	135	75	133
23	YB7L-B	DC-HD		12	7	135	75	133
24	12N9-3A	DC	- +	12	9	135	75	139
25	12N9-3B	DC	- +	12	9	135	75	139
26	12N9-4B	DC	+ -	12	9	135	75	139
27	12N9-4B-1	DC	+ -	12	9	135	75	139
28	YB9-B	DC-HD	+ -	12	9	135	75	139
29	12N10-3B	DC	- +	12	10	134	90	145
30	12N10-3B-1	DC	- +	12	10	134	90	145
31	YB10L-B	DC-HD	- +	12	10	134	90	145
32	12N12A-4A-1	DC	+ -	12	10	136	76	160
33	YB12A-A	DC-HD	+ -	12	12	134	76	160
34	YB12AL-A	DC-HD	- +	12	12	134	76	160
35	12N14-3A	DC	- +	12	12	136	90	164
36	12N14-3B	DC		12	12	136	90	164
37	YB14-A2	DC-HD	+ -	12	12	136	90	164
38	YB14L-A2	DC-HD	- +	12	12	136	90	164
39	51913	DC	- +	12	19	185	82	170
40	YB2.5L-C	DC-HD	- +	12	2.5	80	70	105
41	YB2.5L-C2	DC-HD	- +	12	2.5	80	70	105
42	12N3-3A	DC	- +	12	3	98	56	110
43	YB3L-A	DC-HD	- +	12	3	98	56	110
44	YB3L-B	DC-HD	- +	12	3	98	56	110
45	YB3L-C	DC-HD	- +	12	3	98	56	110
46	YB4L-B	DC-HD	- +	12	4	120	70	92
47	YB16-B	DC-HD	+ -	12	16	175	100	155
48	YB16L-B	DC-HD	- +	12	16	175	100	155
49	12N16-3B	DC	- +	12	16	175	100	155
50	12N16-4B	DC-HD	+ -	12	16	175	100	155
51	YB16AL-A2	DC-HD	- +	12	16	205	70	162
52	B38-6A	DC	- +	6	13	119	83	161

\* DC : DRY CHARGE

\*\* DC-HD : DRY CHARGE HEAVY DUTY



The 12V Gel battery utilizes a specialized gel as an electrolyte instead of straight liquid acid. This silica-based gel suspends the necessary lead plates while simultaneously allowing electrons to travel between them. By replacing liquid acid with this gel, owners of 12V gel batteries enjoy the following outstanding benefits:

## FEATURES:

- No leak
- Versatile use
- Better operations across temperature extreme
- Slower discharging for a longer life span



			Voltage	Capacity	Size (mm)		
S No	Model	Terminal	(V)	(Ah)	L	W	H
1	12N14-3A	+ -	12V	14AH	132	88	163
2	YB5L-B	+ -	12V	5AH	120	60	130
3	YB6.5L-B	+ -	12V	6.5AH	139	67	101
4	12N7-3B	+ -	12V	7AH	137	75	123
5	12N7B-3A	- +	12V	7AH	150	60	130
6	YT4L	- +	12V	4AH	113	70	86
7	YTX7A	- +	12V	7AH	150	87	95
8	YTX7L	+ -	12V	7AH	113	70	130
9	YTX14	- +	12V	14AH	151	87	130
10	YT5L	- +	12V	5AH	113	70	105
11	12N9-BS	- +	12V	9AH	137	76	135
12	YTX9-BS	- +	12V	9AH	151	87	105
13	12N7BL-BS	- +	12V	7AH	150	60	130
14	YTX12-BS	- +	12V	12AH	151	87	130

## DRY CHARGED MF BATTERY

**Uses Lead** – Calcium expanded grid technology which is strong, more resistant. to corrosion, overcharging, gassing, water consumption and self-discharge all of which shorten battery life in conventional lead acid batteries. MF batteries therefore have much longer life than most conventional batteries in the market.

## FEATURES:

- **Leak Proof** - The batteries are perfectly sealed to prevent acid / electrolyte / water leakage or loss and therefore do not require addition of battery water hence they are maintenance-free.
- **High Cranking** - The batteries are designed to provide high cranking performance upon starting hence able to start engines for more cycles, hence longer service life.

## DRY CHARGED MF BATTERY

S No	Model	Type	Terminal	Voltage	Capacity	Size (mm)		
				(V)	(Ah)	L	W	H
1	CB2.5-L MF	MF	- +	12V	2AH	79	70	105
2	YTX3L-BS	MF	- +	12V	3AH	97	56	109
3	12N5-3B MF	MF	- +	12V	4AH	119	60	128
4	YTX4L-BS	MF	- +	12V	4AH	113	70	85
5	YTX5L-BS	MF	- +	12V	4AH	113	70	105
6	YTX6.5-BS	MF	- +	12V	6AH	138	66	100
7	YTX7A-BS	MF	+ -	12V	7AH	150	87	93
8	YTX7L-BS	MF	- +	12V	7AH	113	70	130
9	YTX9L-BS	MF	- +	12V	9AH	180	87	105
10	YTX9-BS	MF	+ -	12V	9AH	150	87	105
11	YB9L-BS	MF	- +	12V	9AH	135	75	137
12	12N7A-3A BS (YB7BL-BS)	MF	- +	12V	7AH	148	59	130

## BATTERY CHARGER

A patented product by **AutoKraft**.

**AutoKraft** Automatic 12V 1.5 Amp Battery Charger incorporates superior 9-stage charging technology with 10-port charge. This high power unit provides error proof operation to fully charge sealed maintenance free and conventional or dry charge batteries. Controlled by a microprocessor chip, the charger detects the charging mode required to charge the battery. The Chip monitors the state of the battery charge and begins charging automatically when the battery charge drops to a specific voltage.

**Below are a few features of this Automatic 12V 1.5 Amp battery charger:**

- Designed to prevent overcharging
- AC power LED indicator
- Reverse polarity protection
- Spark-free operation
- 10 ports to charge many batteries at once
- Intelligent charger, controlled by microprocessor chip
- Automatic cut to avoid overload
- Load completion indicator
- Defective battery indicator
- Battery accessory leads and fused ring connectors include



## TERMINALS

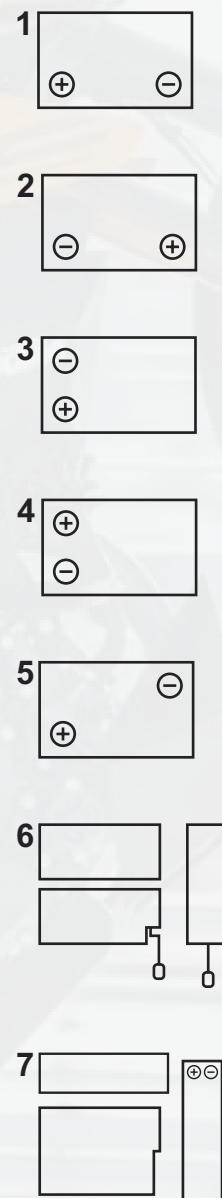
Batteries are manufactured using a range of terminals which vary in size and type. Please refer to details as shown below:

## TERMINAL CONFIGURATION

Terminal shapes vary from one battery to another. By identifying the correct replacement battery from the listing in this book, you are assured of the proper terminal configuration.

Type	Illustration	Terminal			Battery Type
		Front	Side	Top	
1					YB7C-A YB14L-A1 YTX16-BS-1
2					YB9L-A2 12N5.5-4A YB16AL-A2
3					Y60-N24AL-B 12N24-3 Y60N24-A 12N24-3A
4					GYZ20L YB30L-B YTX15L-BS YTX20L-BS Y50-N8L A3 YIX30L-BS YTX16-BS YTX24HL-BS YB12C-A YIX30L-BS-PW YTX20-BS YTX20HL-BS YB16B-A YTX14AHL-B YTX20H-BS YB30CL-B YTX14AH-BS YTX20HL-BS-PW
5					GYZ16H GYZ16HL YB1L B YTX14BS YTXLBS KMX14-BS YT12A-BS YTX20CH-BS YTX9-BS YB16C-B YTX12-BS YTX4L-BS YTZ5S YTZ7S YB16CL-B YTX14-BS YT6LBS YB4L-A YTX14H-BS YTX7A-BS
6					YB3L-A YB7L B YB12A-A YB16-B 12N5-3B 12N7-4A 12N9-4B-1 6N6-3B B54-6 YB1L B YB9A-A YB12AL-A YB-16-B-CX 12N5-4B 12N7-4B 12N10-3A 6N6-3B-1 B38-6A YB1L B YB9-B YB12AL-A2* YB6L B 12N5.5-3B 12N7D-3B 12N10-3A-1 6N11A-1B YB7-A YB1L B YB12A-B YB16HL-A-CX 12N5.5A-3B 12N9-3A-1 12N12A-4A-1 6N11-2D YB7B-B YB10L-B YB14A-A1 SYB6L B 12N7-3B 12N9-3B 6N12A-2D B39-6
7					HYB16A-AB Y50-N18A-A YB16B-A** Y50-N18L-A YB18-A Y50N18L-A-CX YB18L-A SY50-N18L-AT
8					YB10A-A2 YB14-A2 YB14-B2 12N14-3A YB10L-A2 YB14A-A2 YB14L-B2
9					YHD-12H 12N9-3A
10					51814 51913 53030 YT19BL-BS
11					YT9B-BS YT7B-BS YTZ10S YTZ12S YT12B-BS YTZ14S YT14B-BS <small>Note: Terminal is Brass Plated Steel</small>
12					YTR4A-BS
13					YT4B-BS
14					GYZ20H GYZ20HL GYZ32HL <small>Note: Encapsulated Brass Nut</small>

## Battery Layouts



\*\* Includes terminal adaptor for converting to side mount

\* Includes terminal adaptor for converting to top mount.

## POINTS TO REMEMBER

- Ventilate battery charging area.
- Charging gives off gases – no smoking, sparks or flames.
- Safety glasses or face shields protect against eye damage.
- Acid swallowed or in the eyes requires immediate antidotes and medical care.
- All safety considerations are important... review them frequently.

# TECHKRAFT

Industries India

QUALITY  
CERTIFICATION



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