

BATTERIES



As MFA 'TITAN' batteries are sealed-lead-acid rechargeable batteries, the problems of liquid leakage, gas discharge, and tedious maintenance from conventional lead acid batteries now have been solved. As a result, MFA 'TITAN' batteries can be used as a power source for hobby & toy use, portable instruments such as VTR's, vacuum cleaners, electric powered bicycles, and electromotive tools that must be lightweight, compact and powerful.

They can also be used for power back-up of OA-FA, U.P.S., telecommunication and emergency facilities requiring long term reliability. MFA 'TITAN' batteries are being used in a wide variety of applications in advanced high technical equipment.

FEATURES OF MFA 'TITAN' BATTERIES

The advantages of MFA 'TITAN' batteries over its conventional counterpart are numerous. They include:

- 1. Maintenance Free.** MFA 'TITAN' batteries have an excellent life with absolutely no maintenance required apart from routine charging.
- 2. No leakage of liquid or gas.** By a special sealing design, there is no leakage of liquid or gas, so it is safe for all applications, even when fully recharged, there is no possibility of leakage due to the recombination system which converts the gas into liquid. MFA 'TITAN' batteries can be installed safely in equipment with no leakage occurring.
- 3. Low in self-discharge rate.** MFA 'TITAN' batteries keep a low self-discharging rate and they also have a long life, because of using only specially selected lead, calcium-lead, and refined electrolytes.
- 4. Able to operate in a wide temperature range.** MFA 'TITAN' batteries can be used in temperatures ranging from as low as -20°C to as high as 50°C.
- 5. Economical and long life.** MFA 'TITAN' batteries are proven to have a longer life than conventional ones, due to improved durability from our specially selected Pb-Ca alloy.
- 6. Designed for high-discharging purpose.** MFA 'TITAN' batteries are designed especially for high-discharge current. They also have low internal resistance with stable voltage.
- 7. Available in any position.** Our special sealing design enables our batteries to operate in any position, even upside down.

Application of MFA 'TITAN' batteries.

Floating Application

- * Most Toy & hobby applications
- * Automatic fire alarm devices
- * All types of UPS
- * Other memory backup devices etc

- * Security & burglar systems
- * Telecommunication systems
- * Electronic cash registers

Cyclic Application

- * Portable video tape recorders
- * Communication and telephone equipment.
- * Medical electronics
- * Automatic fire alarm facilities
- * Cassette tape recorders
- * Cordless tools
- * Measuring equipment

PART NO	NOMINAL VOLTAGE	NOMINAL CAPACITY (AH)				DIMENSION						HEIGHT OVER TERMINAL		WEIGHT (APPROX)	
		20HR RATE	10HR RATE	5HR RATE	1HR RATE	LENGTH		WIDTH		HEIGHT		M M	INCH	LB	KG
						M M	INCH	M M	INCH	M M	INCH				
629	6	3.0		2.60	1.80	134	5.28	34	1.34	60	2.36	66	2.61	1.43	0.65
177	6	4.0	3.80	3.60	2.40	70	2.76	47	1.85	102	4.02	108	4.25	1.72	0.78
1153	6	12.0	11.0	10.0	7.3	151	5.95	50	1.97	94	3.70	100	3.94	4.4	2.0
1095	12	1.2	1.13	1.1	0.72	99	3.9	48	1.9	52	2.05	58	2.3	1.26	0.57
887	12	3.0	2.73	2.55	1.80	134	5.28	67	2.64	60	2.36	68	2.68	2.87	1.30
1113	12	7	6.44	6.30	4.20	151	5.95	65	2.56	94	3.70	100	3.94	6.06	2.75