

GENERAL FEATURES

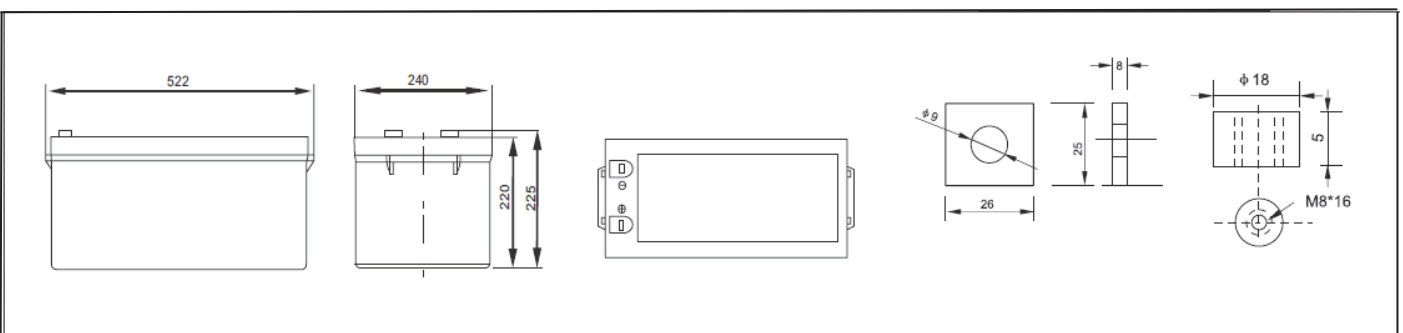
- Longer cycle life: special paste formula, over dimensioned negative plate, optimized manufacturing process, additives for deep discharge.
- Special separators boost up the battery internal performance.
- Using oxygen recombination technology, maintenance-free and little water losing.
- ABS material: enhanced strength of the battery container. (Flame-retardant ABS is optional).
- Designed to have a lifespan of 15 years for float charging at 25°C

APPLICATIONS

- Electric tools
- Vehicle in place of walking
- Lawn mowers
- Golf trolleys and golf cart
- Power system of special network or local area network
- Electric toys
- Railway and marine systems
- Fire alarms
- Solar and wind power system
- Electric wheelchairs
- Medical equipment


SPECIFICATIONS

Model	Nominal Voltage	12V		
	Rated Capacity (10Hr rate)	250Ah		
Dimensions	Length	Width	Height	Total Height
	522mm	240mm	220mm	244mm
Weight	Approx. 60 kgs (+/- 3%)			
Capacity @25°C (77°F)	100Hour (2.5A,10.8V)	10 Hour (20A,10.8V)	5 Hour (34A,10.5V)	1Hour (110A,9.6V)
	250Ah	200Ah	170Ah	110Ah
Internal Resistance	Fully charged at 25°C, approx. 2.5mΩ			
Max. Discharge current	2000A (5 Sec.)			
Capacity Affected by Temp. (20Hr)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	112%	100%	80%	68%
Self Discharge Rate @25°C (77°F)	After 3 months Storage	After 6 months Storage	After 12 months Storage	
	91%	82%	64%	
Charge Method	Cycle Use		Float Charging	
	14.1-14.4V (Initial current less than 60A) @25°C (77°F)		13.5-13.8V@25°C (77°F)	

DIMENSIONS & TERMINALS


PERFORMANCE CHARACTERISTICS

Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(72°F)

		10min	30min	1h	2h	3h	4h	5h	8h	10h	20h	50h	100h
9.60V	A	400.0	220.0	120.0	70.0	52.0	42.0	35.6	23.2	22.0	11.4	4.76	2.62
	W	4240	2343	1284	756	567	462	391.6	257.1	244.2	127.7	53.3	29.3
10.20V	A	380.0	218.0	112.8	66.8	51.0	41.0	34.8	22.8	20.7	11.2	4.60	2.56
	W	4180	2409	1252	748	576	465	395	258	235	127	52.2	29.1
10.50V	A	340.0	204.0	110.0	65.2	50.0	40.0	34.0	22.5	20.4	11.1	4.54	2.52
	W	3808	2295	1243	743	573	460	391	259	235	127	52.2	29.0
10.80V	A	320.0	188.0	106.0	63.6	49.0	39.0	30.4	21.9	20.0	10.9	4.5	2.5
	W	3632	2143	1214	735	568	454	354	255	233	127	52.2	29.1
11.10V	A	300.0	168.0	100.0	62.0	47.0	38.0	29.0	21.3	19.5	10.8	4.40	2.46
	W	3450	1940	1160	725	552	448	342	252	230	127	51.9	29.0

