

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).
- With Gel electrolyle,good performance on the deep discharge and longer lifespan.
- Designed to have a lifespan of 12 years for float charging at 25°C

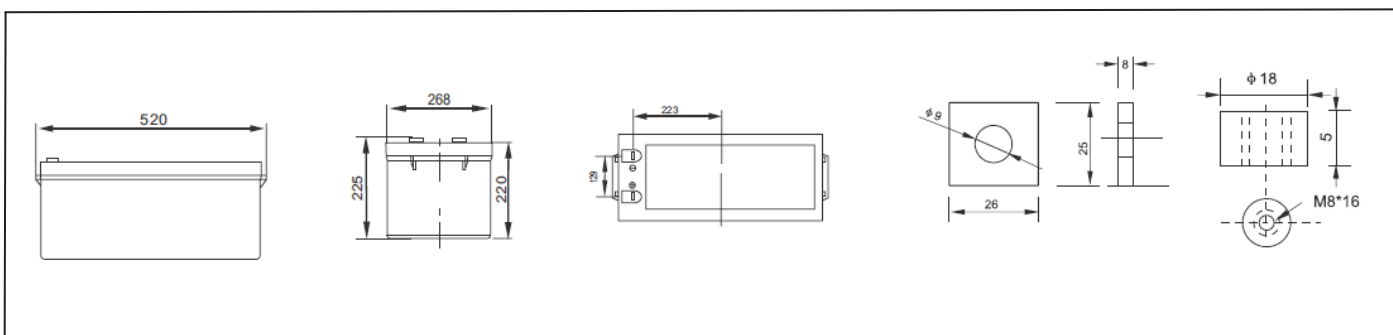
APPLICATIONS

- 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 (20Hr rate)	250Ah		
Dimensions	Length	Width	Height	Total Height
	520mm (20.47")	268mm (10.55")	220mm (8.66")	240mm (9.45")
Weight	Approx. 68.0kg± 3%			
Capacity @25°C (77°F)	20 Hour (12.5A,10.8V)	10 Hour (23A,10.5V)	3 Hour (42.4A,10.2V)	1 Hour (150A,9.6V)
	250Ah	230Ah	212Ah	150Ah
Internal Resistance	Fully charged at 25°C, approx. 5.0mΩ			
Max. Discharge current	2500A (5 Sec.)			
Capacity Affected by Temp. (20Hr)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	102%	100%	85%	65%
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 92A) @25°C (77°F)		13.5-13.8V@25°C (77°F)	

DIMENSIONS & TERMINALS

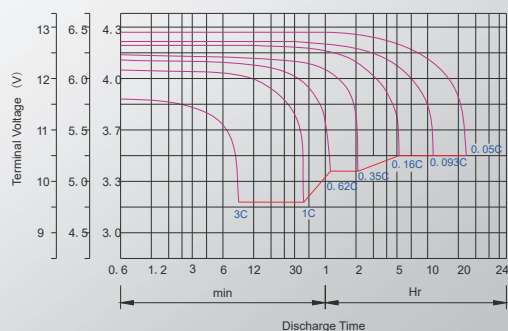


PERFORMANCE CHARACTERISTICS

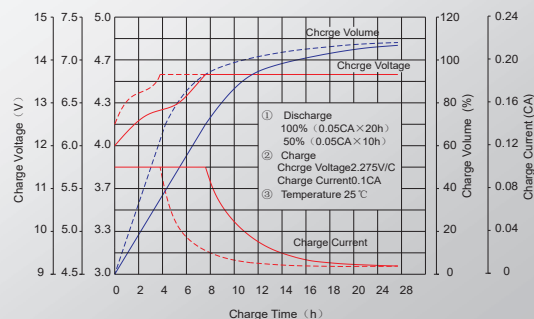
Constant Current (Amp.) and Constant Power (Watt) Discharge Table @25°C (77°F)

Cell Voltage Time		5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
9.60V	A	737.00	485.00	391.00	262.00	138.00	81.00	59.10	46.00	38.00	26.90	24.20	13.00
	W	7603.00	5183.00	4195.00	2819.00	1490.00	884.00	657.90	517.50	431.50	308.40	278.90	151.60
10.20V	A	713.00	438.00	368.00	251.00	130.00	77.00	57.50	44.90	37.30	26.20	23.70	12.70
	W	7620.00	4890.00	4123.00	2814.00	1467.00	885.00	665.90	521.50	434.40	306.80	278.30	148.40
10.50V	A	690.00	392.00	322.00	235.00	126.00	75.00	56.10	44.20	36.80	26.00	23.20	12.70
	W	7537.00	4456.00	3677.00	2700.00	1454.00	870.00	653.90	516.70	431.40	305.60	274.90	149.50
10.80V	A	665.00	369.00	299.00	216.00	121.00	73.00	54.70	43.50	35.90	25.30	23.00	12.40
	W	7463.00	4257.00	3450.00	2505.00	1414.00	857.00	645.40	513.30	424.10	299.80	273.40	147.90
11.10V	A	643.00	346.00	276.00	193.00	117.00	71.00	52.90	42.30	35.00	24.60	21.90	11.70
	W	7290.00	4006.00	3218.00	2260.00	1379.00	843.00	628.50	504.00	417.20	294.70	263.80	142.20

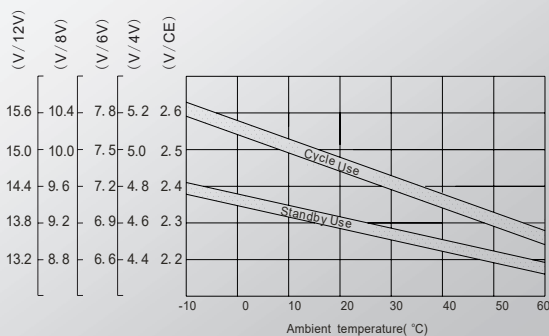
DISCHARGE CHARACTERISTICS



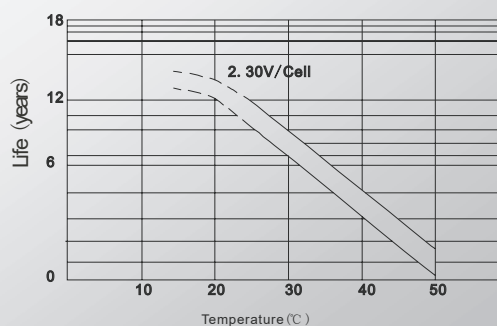
CHARGING CHARACTERISTICS (STANDBY)



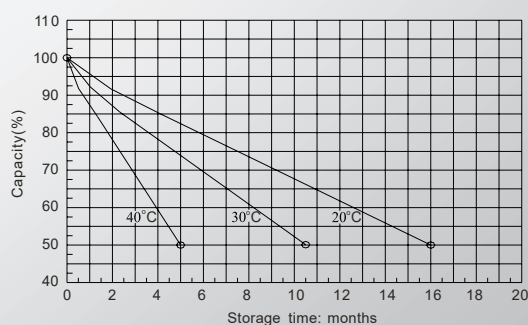
CHARGING VOLTAGE V.S. TEMP.



EFFECT OF TEMP. ON LONG TERM FLOAT DESIGNED LIFE



SELF DISCHARGE CHARACTERISTICS



CYCLE LIFE IN RELATION TO THE DEPTH OF DISCHARGE

