

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)	100Ah		
Dimensions	Length	Width	Height	Total Height
	329mm	172mm	214mm	243mm
Weight	Approx.: 29.5 kgs (+/-3%)			
Capacity @25°C (77°F)	10 Hour (10A,10.8V)	5 Hour (17A,10.8V)	3 Hour (25A,10.5V)	1 Hour (55A,9.6V)
	100Ah	85Ah	75Ah	55Ah
Internal Resistance	Fully charged at 25°C, approx. 4.2mΩ			
Max. Discharge current	1000A (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 30A) @25°C (77°F)		13.5-13.8V@25°C (77°F)	

DIMENSIONS & TERMINALS

