

YINGDE AOKLY POWER CO., LTD

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 12 years for float charging at 25°C



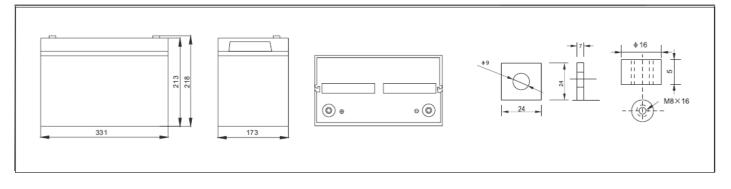
APPLICATIONS

- 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

	Nominal Voltage	12V							
Model	Rated Capacity (10Hr rate)	100Ah							
Dimensions	Length	Width	Height	Total Height					
Differsions	329mm	172mm	214mm	243mm					
Weight	Approx. 28.0kg ± 3%								
Capacity @25℃ (77℉)	10 Hour (10A,10.8V)	10 Hour (16A,10.5V)	3 Hour (25A,10.2V)	1 Hour (60A,9.6V)					
capacity @25 0 (77 1)	100Ah	85Ah	75Ah	55Ah					
Internal Resistance	Fully charged at 25℃, approx. 9mΩ								
Max. Discharge current	1000A (5 Sec.)								
Capacity Affected by Temp.	40°C (104°F)	25 ℃ (77°F)	0°C (32°F)	-15°C (5°F)					
(20Hr)	112%	100%	80%	68%					
Self Discharge Rate @25℃ (77℉)	After 3 months Storage	After 6 months Storage	After 12 months Storage						
	91%	82%	64%						
Charge Method	Cycle	Use	Float Charging						
	,	rrent less than 36.8A) CM7°F)	13.5-13.8V@25℃ ∕7 7℉ ∨						

DIMENSIONS & TERMINALS



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PERFORMANCE CHARACTERISTICS

Constant Current (Amp.) and Constant Power (Watt) Discharge Table @25 $^{\circ}$ C $^{\wedge}$ 77 $^{\circ}$ F)												
Cell Voltage Tin	ne	5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr
9.60V	Α	295.00	194.00	156.00	105.00	55.00	32.00	24.00	18.00	15.00	11.00	10.00
	W	3041.00	2073.00	1678.00	1128.00	596.00	354.00	263.00	207.00	173.00	123.00	112.00
10.20V	Α	285.00	175.00	147.00	100.00	52.00	31.00	23.00	18.00	15.00	11.00	10.00
	W	3048.00	1956.00	1649.00	1126.00	587.00	354.00	266.00	209.00	174.00	123.00	111.00
10.50V	Α	276.00	157.00	129.00	94.00	50.00	30.00	22.00	18.00	15.00	10.00	9.00
	W	3015.00	1782.00	1471.00	1080.00	582.00	348.00	262.00	207.00	173.00	122.00	110.00
10.80V	Α	266.00	148.00	120.00	86.00	49.00	29.00	22.00	17.00	14.00	10.00	9.00
	W	2985.00	1703.00	1380.00	1002.00	565.00	343.00	258.00	250.00	170.00	120.00	109.00
11.10V	Α	257.00	138.00	111.00	77.00	47.00	29.00	21.00	17.00	14.00	10.00	9.00
	W	2916.00	1602.00	1287.00	904.00	552.00	337.00	251.00	202.00	167.00	118.00	106.00

