

AB121000

12V-100Ah (10hr)



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| <ul style="list-style-type: none"> Positive and negative plates in lead-calcium-tin alloy Stable Quality & High Reliability Sealed Construction Long Service Life Maintenance-Free Operation
ABS (UL94-HB) & Flame Retardant (94-V0) | <ul style="list-style-type: none"> Low Pressure Venting System Low Self Discharge U. L. Component Recognition Six months shelf life at 20°C Design life 10 years |
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Dimensions and Weight		
	SI Units	English Units
Length	330mm	13.0inch
Width	171mm	6.73inch
Height	215mm	8.46inch
Total Height	220mm	8.66inch
Approx. Weight	32.0Kg	70.6lbs

Performance Characteristics	
<ul style="list-style-type: none"> Nominal Voltage 12V Number of cell 6 Nominal Capacity 77°F(25°C) <ul style="list-style-type: none"> 10 hour rate (10.0A, 10.8V) 100Ah 5 hour rate (17.5A, 10.5V) 87.5Ah 1 hour rate (66.2A, 9.60V) 66.2Ah Internal Resistance <ul style="list-style-type: none"> Fully Charged battery 77°F(25°C)5mOhms Self-Discharge <ul style="list-style-type: none"> 3% of capacity declined per month at 20°C(average) 	<ul style="list-style-type: none"> Operating Temperature Range <ul style="list-style-type: none"> Discharge -20~60°C Charge -10~60°C Storage -20~60°C Max. Discharge Current 77°F(25°C) 900A(5s) Short Circuit Current 2100A Charge Methods: Constant Voltage Charge 77°F(25°C) <ul style="list-style-type: none"> Cycle use 14.4-14.7V Maximum charging current 30A Temperature compensation -30mV/°C Standby use 13.6-13.8V <ul style="list-style-type: none"> Temperature compensation -20mV/°C

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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Battery Model: AB121000

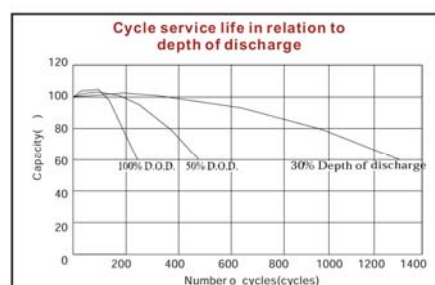
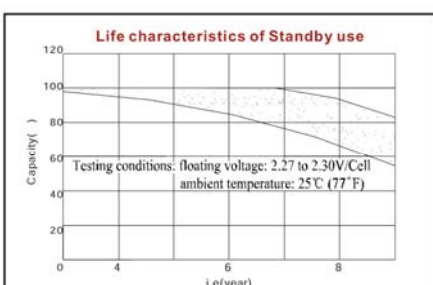
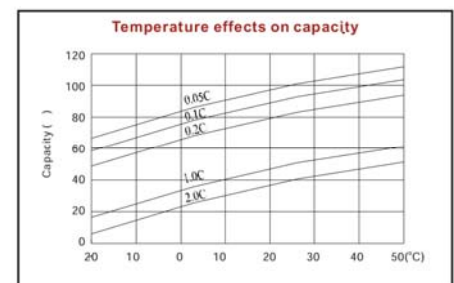
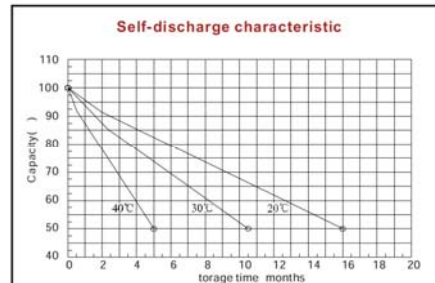
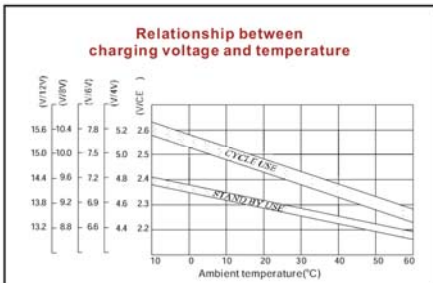
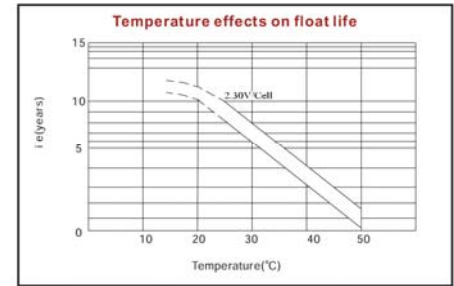
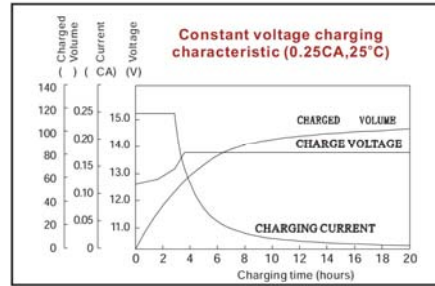
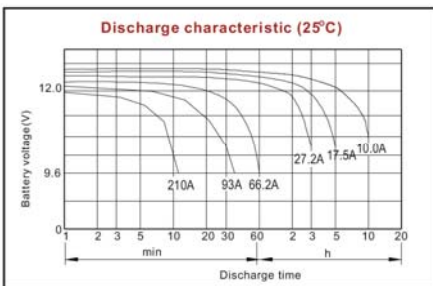
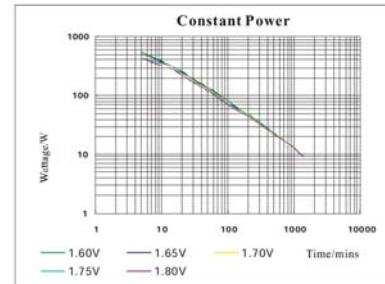
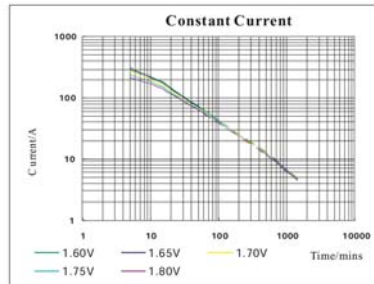
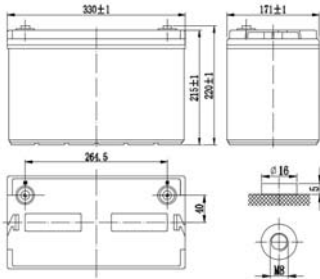
Constant Current Discharge Data (Amperes at 25°C)

End point Volts/cell	10min	15min	30min	1h	2h	3h	5h	8h	10h	12h	24h
1.60	229	185	108	66.2	37.5	27.9	19.0	12.9	10.8	9.06	4.70
1.65	221	178	104	62.5	36.4	27.7	18.3	12.5	10.6	9.01	4.68
1.70	200	164	96.0	61.5	35.8	27.2	18.0	12.4	10.5	8.93	4.59
1.75	187	153	93.0	60.5	35.3	26.9	17.5	12.1	10.3	8.76	4.50
1.80	175	143	91.0	57.4	33.3	25.3	17.2	11.8	10.0	8.50	4.42

Constant Power Discharge Data (Watts per cell at 25°C)

End point Volts/cell	10min	15min	30min	1h	2h	3h	5h	8h	10h	12h	24h
1.60	392	321	199	124	70.6	52.8	35.8	24.2	20.3	17.4	9.25
1.65	379	315	188	118	67.8	51.2	35.4	23.9	20.1	17.1	9.20
1.70	360	299	183	114	66.8	50.9	35.0	23.8	20.0	17.0	9.13
1.75	353	294	177	111	64.5	49.1	34.4	23.3	19.5	17.7	8.98
1.80	329	297	171	104	62.5	48.5	34.0	22.8	19.1	16.2	8.74

(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.



*Product specifications are subject to change without further notice *Image is for illustration purposes only