

EV purpose application series

Range Summary

Using oxygen recombination technology: maintenance-free
PbCaSn alloy for plate grids: low self discharge rate than 3% per month
High quality AGM separator: extend cycle life and prevent micro short circuit retardant
High purity raw material: 99.99% pure lead



Application

Cable Television
Communication
Equipment
Security System

UPS
Control Equipment
Medical Equipment
EV Power



ISO 9001

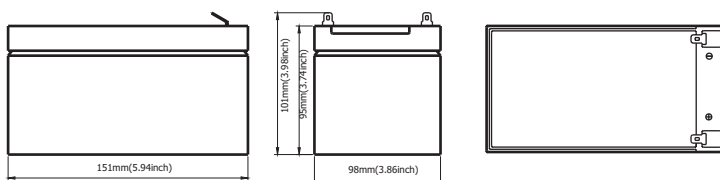


ISO 14001

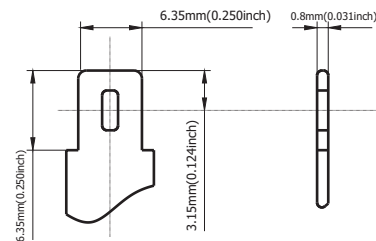


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Battery Dimensions

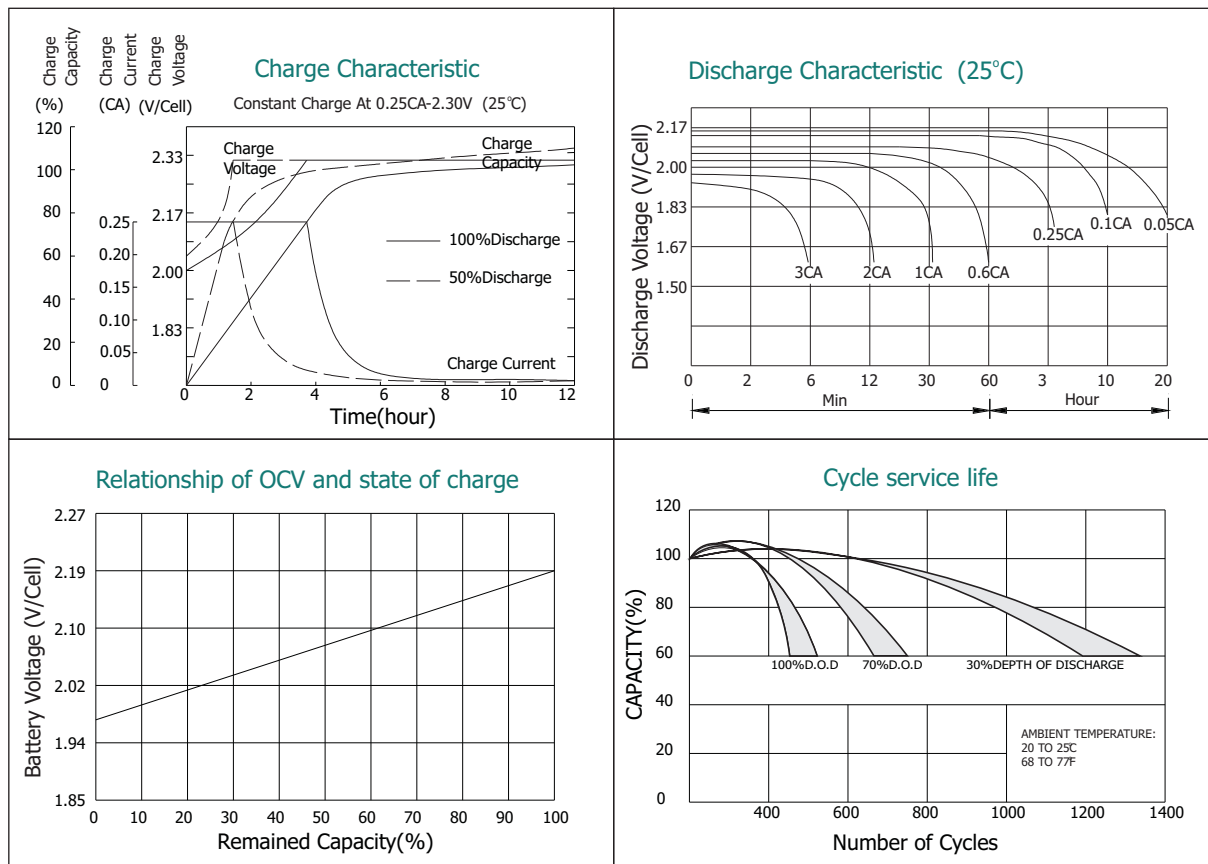


Terminal Dimensions



Technical Specifications

Battery Model	VT12-14			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.70A,1.80V)	10HR(1.30A,1.80V)	5HR(2.50A,1.75V)	1HR(9.81A,1.60V)
	14AH	13.0AH	12.5AH	9.81AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	98mm(3.86inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	4.2Kg (9.24 lbs)			
Internal Resistance	Full charged at 25°C: 0.019 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	109%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/°C), max. Current:3.5A		13.6-13.8V(-20mV/°C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	58.6	36.5	27.5	16.8	9.81	4.68	2.71	1.38	0.77
1.67V	55.0	34.6	26.5	16.0	9.68	4.50	2.66	1.35	0.73
1.70V	50.4	33.4	25.9	14.6	9.39	4.20	2.60	1.34	0.72
1.75V	49.4	32.3	25.0	13.9	8.94	4.06	2.55	1.33	0.71
1.80V	44.3	30.9	22.8	12.9	8.38	3.90	2.50	1.30	0.70
1.85V	39.0	29.4	20.4	11.8	7.80	3.76	2.24	1.29	0.67

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	102.8	65.9	50.3	30.3	17.8	8.30	4.59	2.51	1.54
1.67V	99.3	64.1	49.6	29.6	17.6	8.04	4.58	2.45	1.46
1.70V	95.0	63.5	49.1	27.8	17.3	7.68	4.51	2.43	1.44
1.75V	94.0	63.4	48.8	26.9	17.0	7.50	4.48	2.41	1.42
1.80V	86.0	62.4	45.3	25.6	16.0	7.28	4.34	2.36	1.40
1.85V	78.0	59.3	41.0	24.0	15.0	7.06	4.20	2.34	1.34

Quality Management System Authentication GB/T19001-2008 NO.00113Q29865ROM/4200	CE authentication CE12-GPE 120171	        
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