

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
Emergency Power



ISO 9001

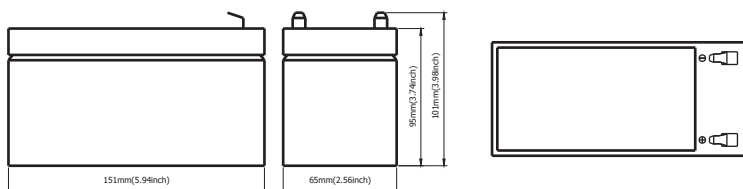


ISO 14001

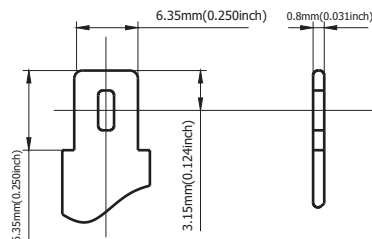


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Battery Dimensions

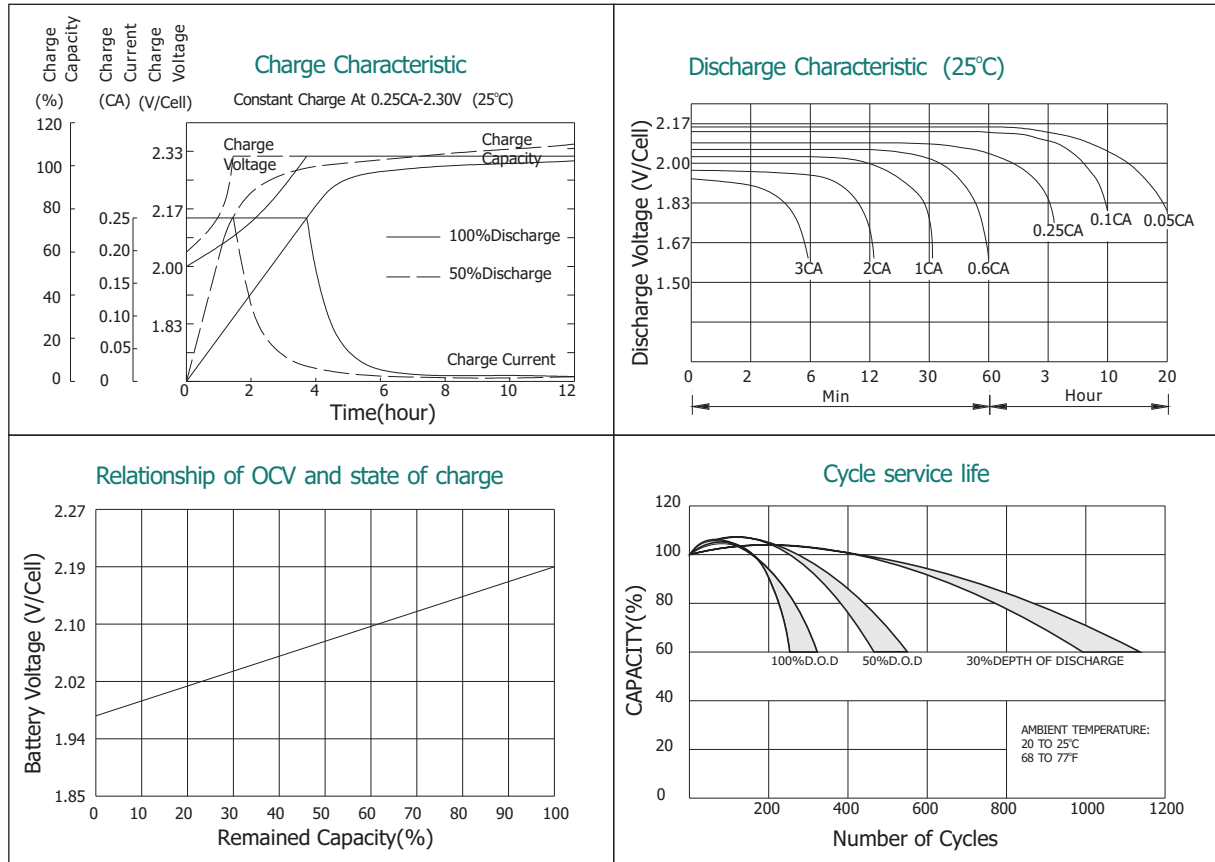


Terminal Dimensions



Technical Specifications

Battery Model	VT12-7			
Designed Floating Life(20°C)	10 Years			
Capacity(25°C)	20HR(0.35A,1.75V)	10HR(0.63A,1.75V)	5HR(1.19A,1.75V)	1HR(4.58A,1.60V)
	7.0AH	6.3AH	5.95AH	4.58AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	2.0Kg			
Internal Resistance	Full charged at 25°C: 26 mΩ			
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: 2.1A		13.6-13.8V(-18mV/ °C)	
Operating Temp Range	Discharge		Charge	
	-15~45°C(5~113°F)		0~40°C(32~104°F)	
			Storage	
			-15~40°C(5~104°F)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5m in	10 min	15 min	30 min	1h	3h	5h	10h	20h
1.60V	27.3	17.0	13.8	8.22	4.58	2.18	1.27	0.67	0.39
1.65V	25.7	16.1	13.2	7.86	4.52	2.10	1.24	0.66	0.38
1.70V	23.5	15.6	12.9	7.15	4.38	1.96	1.21	0.65	0.37
1.75V	23.1	15.1	12.5	6.79	4.17	1.89	1.19	0.63	0.35
1.80V	20.6	14.4	11.4	6.29	3.91	1.82	1.12	0.62	0.34
1.85V	18.2	13.7	10.2	5.79	3.64	1.75	1.05	0.61	0.33

Constant power discharge ratings-watts at 25°C

F.V/Time	5m in	10 min	15 min	30 min	1h	3h	5h	10h	20h
1.60V	48.0	30.7	25.3	14.8	8.26	3.87	2.14	1.32	0.78
1.65V	46.3	29.9	25.0	14.5	8.21	3.75	2.13	1.31	0.76
1.70V	43.6	29.7	24.6	13.6	8.05	3.58	2.11	1.30	0.75
1.75V	42.2	29.6	24.4	13.2	7.92	3.50	2.09	1.28	0.73
1.80V	40.1	29.1	22.6	12.6	7.46	3.40	2.02	1.26	0.71
1.85V	36.4	27.6	20.5	11.8	7.02	3.29	1.96	1.25	0.68

Quality Management System Authentication	CE authentication	CE	UL	Pb	Pb	Recycling	Fire	Explosion	Shock	Corrosion	Leakage
GB/T19001-2008 NO.00113Q29865ROM/4200	CE12-GPE 120171										