

General 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
Emergency Power



ISO 9001

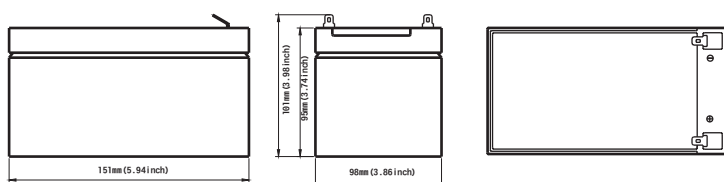


ISO 14001

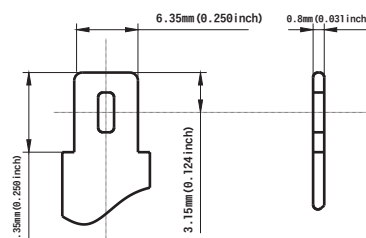


CE

Battery Dimensions

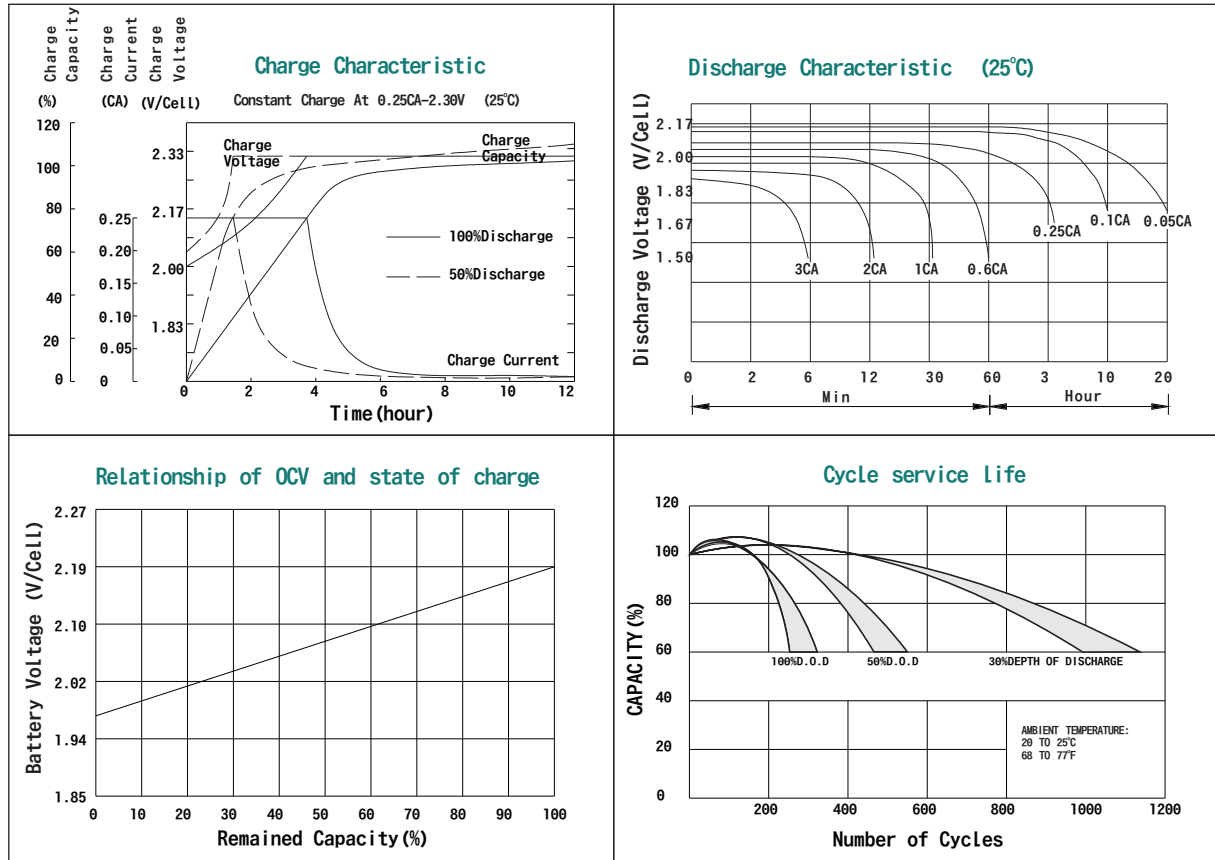


Terminal Dimensions



Technical Specifications

Battery Model	VT12-12			
Designed Floating Life	5 Years			
Capacity (25°C)	20HR (0.6A, 1.80V)	10HR (1.08A, 1.80V)	5HR (2.04A, 1.75V)	1HR (7.85A, 1.60V)
	12AH	10.8AH	10.2AH	7.85AH
Dimensions	Length	Width	Height	Total Height
	151mm (5.94inch)	98mm (3.86inch)	95mm (3.74inch)	101mm (3.98inch)
Approx. Weight	3.5Kg			
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: 3.6A		13.6-13.8V (-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/T in e	5 M IN	10 M IN	15 M IN	30 M IN	1 H R	3 H R	5 H R	10 H R	20 H R
1.60V	46.9	29.2	22.0	13.4	7.85	3.74	2.17	1.13	0.67
1.67V	44.0	27.7	21.2	12.8	7.74	3.60	2.13	1.12	0.64
1.70V	40.3	26.7	20.7	11.7	7.51	3.36	2.08	1.11	0.63
1.75V	39.5	25.8	20.0	11.1	7.15	3.25	2.04	1.10	0.62
1.80V	35.4	24.7	18.2	10.3	6.70	3.12	1.92	1.08	0.60
1.85V	31.2	23.5	16.3	9.45	6.24	3.01	1.79	1.07	0.58

Constant power discharge ratings-watts at 25°C

F.V/T in e	5 M IN	10 M IN	15 M IN	30 M IN	1 H R	3 H R	5 H R	10 H R	20 H R
1.60V	82.2	52.7	40.2	24.2	14.2	6.64	3.67	2.25	1.33
1.67V	79.4	51.3	39.7	23.7	14.1	6.43	3.66	2.24	1.28
1.70V	76.0	50.8	39.3	22.2	13.8	6.14	3.61	2.22	1.27
1.75V	75.2	50.7	39.0	21.5	13.6	6.00	3.58	2.20	1.24
1.80V	68.8	49.9	36.2	20.5	12.8	5.82	3.47	2.17	1.20
1.85V	62.4	47.4	32.8	19.2	12.0	5.65	3.36	2.14	1.16

Quality Management System Authentication GB/T19001-2008 NO.00113Q29865ROM/4200	CE authentication CE12-GPE 120171	CE	UL	Pb	Pb	No Smoking	No Open Flame	No Fire	No Hot Surfaces	No Spills	No Sharp Objects
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