

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

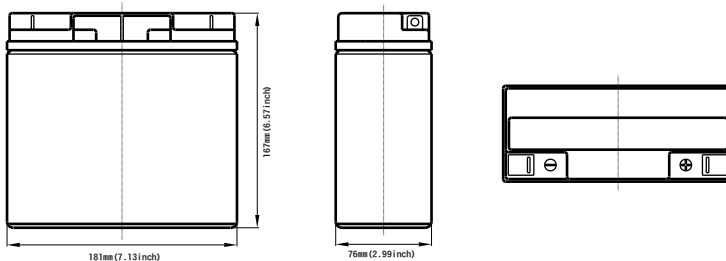


ISO 14001

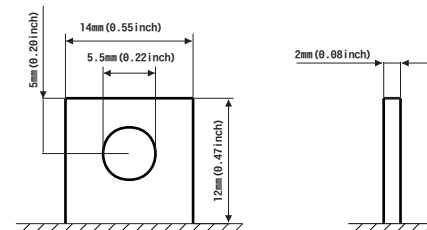


CE

Battery Dimensions



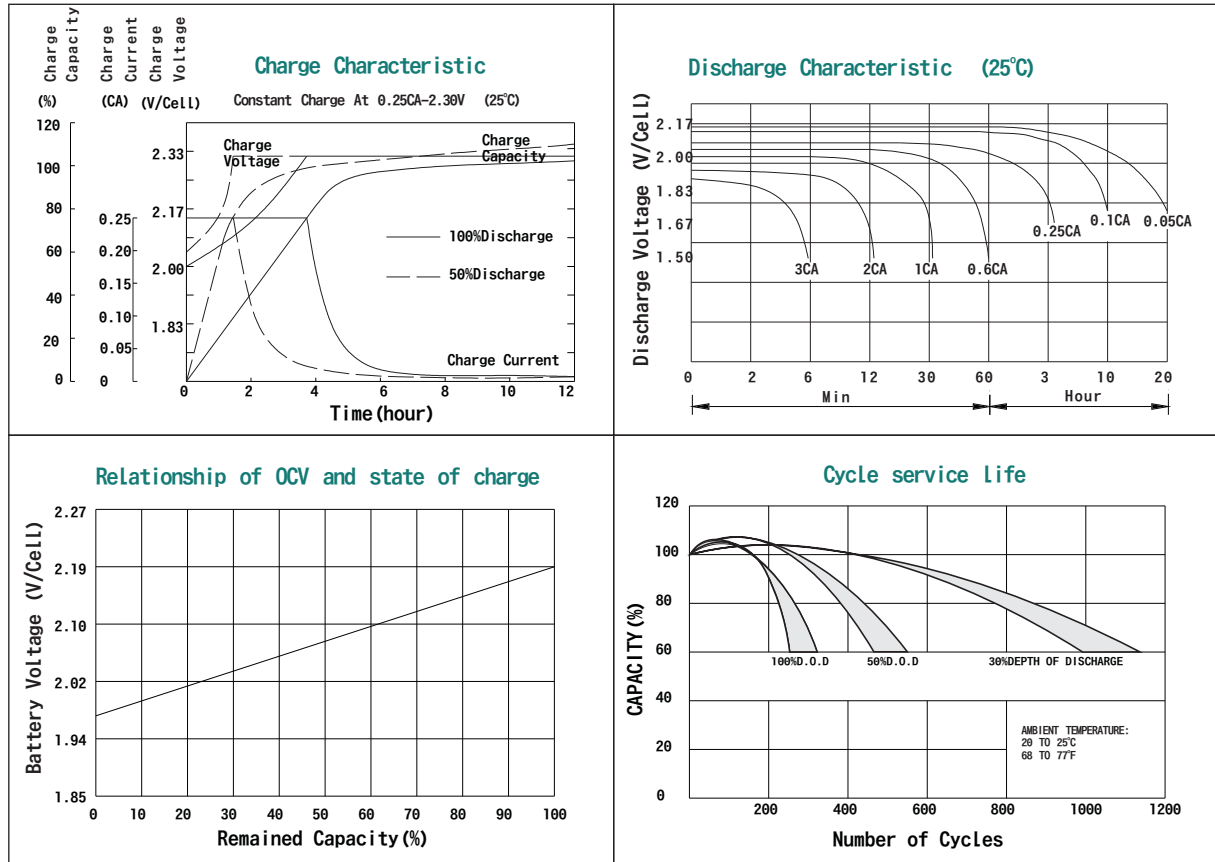
Terminal Dimensions



Technical Specifications

Battery Model	VT12-20			
Designed Floating Life	5 Years			
Capacity (25°C)	20HR (1.00A, 1.80V)	10HR (1.84A, 1.80V)	5HR (3.22A, 1.75V)	1HR (13.5A, 1.60V)
	20.0Ah	18.4Ah	16.1Ah	13.5Ah
Dimensions	Length	Width	Height	Total Height
	181mm (7.13 inch)	76mm (2.99 inch)	167mm (6.57 inch)	167mm (6.57 inch)
Approx. Weight	5.88Kg (12.94 lbs)			
Internal Resistance	Full charged at 25°C: 0.014 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
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle use		Float use	
	14.4-14.8V (-30mV/ °C), max. Current: 6A		13.6-13.8V (-20mV/ °C)	

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Constant current discharge ratings-amperes at 25°C

F.V/Tim e	5m in	10m in	15m in	30m in	1h	3h	5h	10h	20h
1.60V	77.4	56.9	42.2	25.7	13.5	5.75	3.43	1.92	1.12
1.67V	75.0	53.9	40.6	24.6	13.3	5.53	3.36	1.90	1.08
1.70V	68.7	52.0	39.6	22.4	12.9	5.16	3.29	1.89	1.07
1.75V	67.4	50.4	38.3	21.2	12.3	4.99	3.22	1.87	1.04
1.80V	64.8	48.1	34.8	19.7	11.5	4.79	3.02	1.84	1.00
1.85V	57.2	45.8	31.3	18.1	10.7	4.62	2.83	1.82	0.98

Constant power discharge ratings-watts at 25°C

F.V/Tim e	5m in	10m in	15m in	30m in	1h	3h	5h	10h	20h
1.60V	140	103	77.0	46.3	23.1	9.7	6.34	3.84	2.24
1.67V	135	100	76.0	45.4	22.9	9.4	6.31	3.81	2.16
1.70V	130	99.1	75.4	42.5	22.5	8.94	6.23	3.79	2.13
1.75V	128	98.8	74.7	41.2	22.1	8.73	6.17	3.74	2.08
1.80V	117	95.9	69.3	39.3	20.9	8.47	5.98	3.70	1.99
1.85V	106	91.2	62.9	36.2	19.6	8.22	5.61	3.65	1.95

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