

General Series

General Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System.

Application

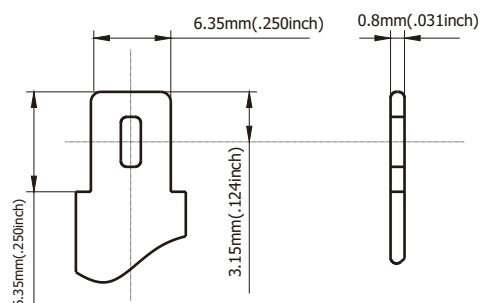
Alarm System	Medical Equipment
Cable Television	UPS
Communication Equipment	Power tools
Control Equipment	Emergency Power System
Security System	Toys

General Features

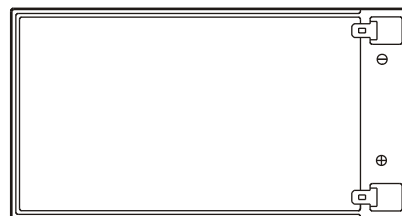
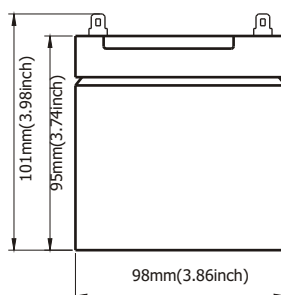
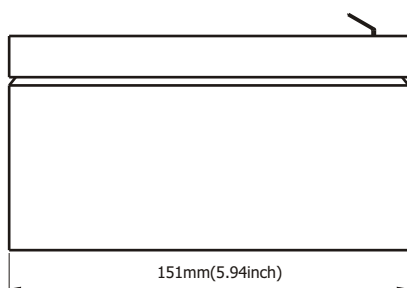
Sealed and maintenance free operation.
Non-Spillable construction design.
ABS containers and covers(UL94HB, UL94V-0) optional.
Safety valve installation for explosion proof.
High quality and high reliability.
Exceptional deep discharge recovery performance.
Low self discharge characteristic.
Flexibility design for multiple install positions.

Construction

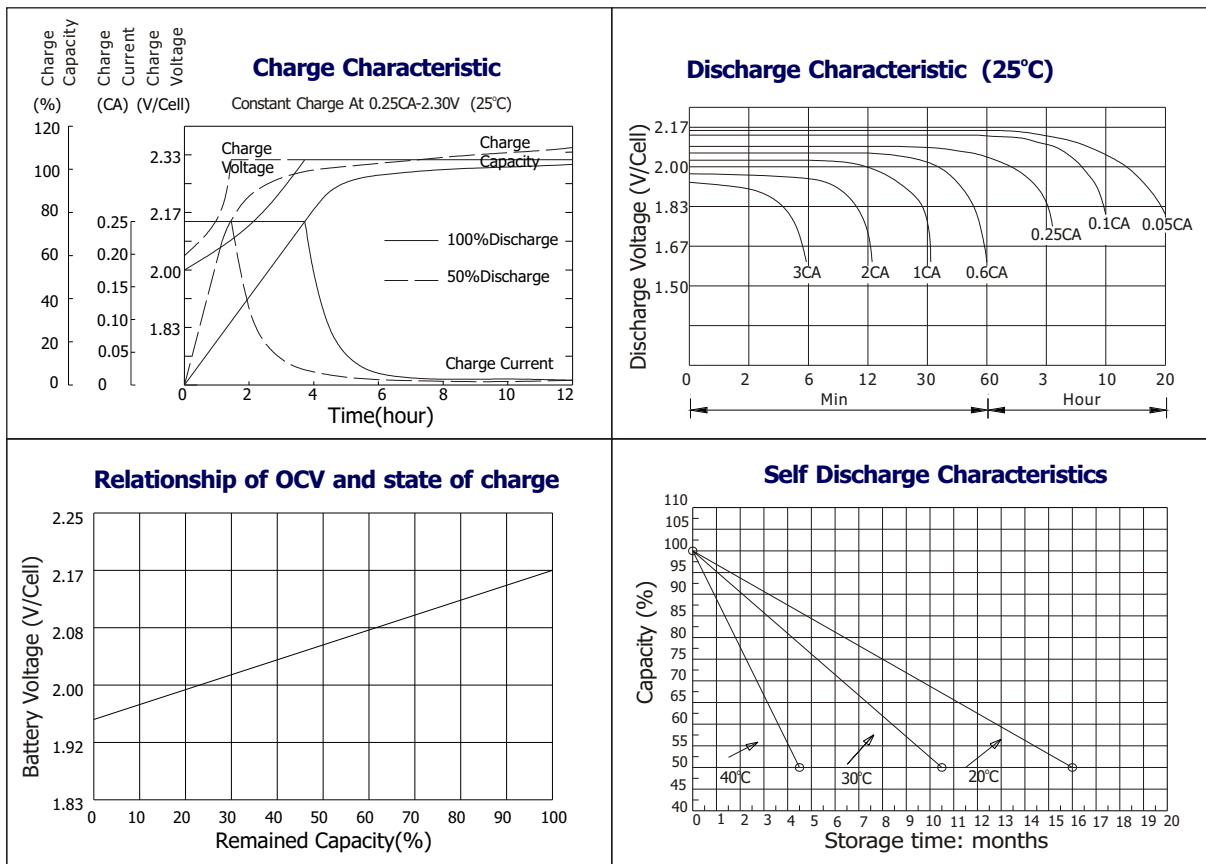
Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



Terminal Dimensions



Battery Model	12120			
Designed Floating Life	10 Years			
Capacity(25°C)	20HR(0.6A,1.75V)	10HR(1.15A,1.75V)	5HR(2.04A,1.75V)	1HR(8A,1.75V)
	12AH	11.5AH	10.2AH	8AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	98mm(3.86inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	3.50kgs			
Internal Resistance	Full charged at 25°C: 0.016 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	
	14.4-15V(-30mV/ °C), max. Current: 3.6A		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	46.9	29.2	22.0	13.4	8.53	3.74	2.29	1.28	0.67
1.67V	44.0	27.7	21.2	12.8	8.42	3.60	2.24	1.27	0.65
1.70V	40.3	26.7	20.7	11.7	8.16	3.36	2.19	1.26	0.64
1.75V	39.5	25.8	20.0	11.1	7.78	3.25	2.14	1.25	0.62
1.80V	35.4	24.7	18.2	10.3	7.28	3.12	2.02	1.23	0.61
1.85V	31.2	23.5	16.3	9.45	6.78	3.01	1.89	1.21	0.59

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	82.2	52.7	40.2	24.2	15.4	6.64	3.87	2.56	1.34
1.67V	79.4	51.3	39.7	23.7	15.3	6.43	3.85	2.54	1.30
1.70V	74.7	50.8	39.3	22.2	15.0	6.14	3.80	2.53	1.28
1.75V	75.2	50.7	39.0	21.5	14.8	6.00	3.77	2.50	1.25
1.80V	68.8	49.9	36.2	20.5	13.9	5.82	3.65	2.46	1.22
1.85V	62.4	47.4	32.8	19.2	13.1	5.65	3.53	2.43	1.17