

General Series SLA Battery

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

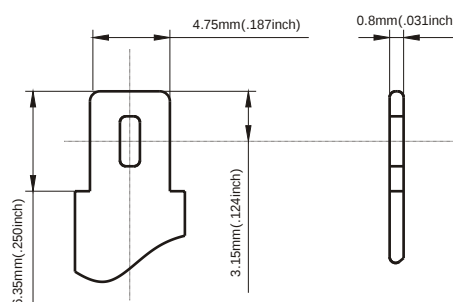


General Features

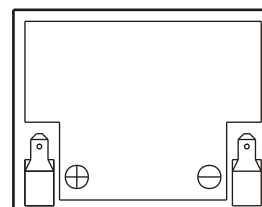
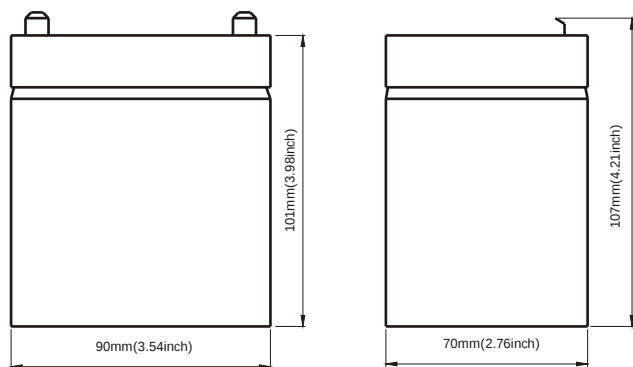
Sealed and maintenance free operation.
Non-Spillable construction design.
ABS containers and covers(UL94HB, UL94V-0) optional.
Safety valve installation for explosion proof.
High quality and high reliability.
Exceptional deep discharge recovery performance.
Low self discharge characteristic.
Flexibility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

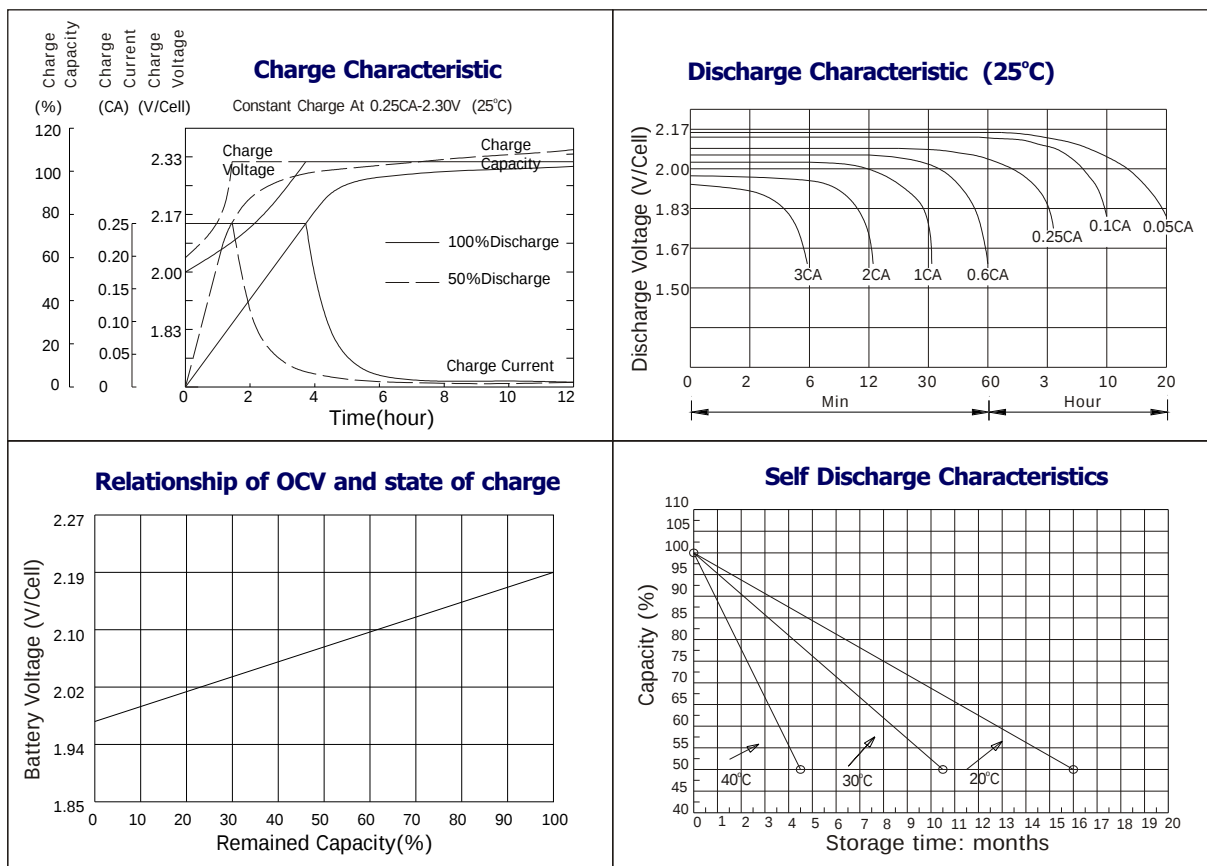


Terminal Dimensions



Battery Model	GB12-4.2			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.21A,1.75V)	10HR(0.4A,1.75V)	5HR(0.71A,1.75V)	1HR(2.75A,1.75V)
	4.2AH	4AH	3.55AH	2.75AH
Dimensions	Length	Width	Height	Total Height
	90mm(3.54inch)	70mm(2.76inch)	101mm(3.98inch)	107mm(4.21inch)
Approx. Weight	1.6Kg (3.53 lbs)			
Internal Resistance	Full charged at 25°C: 0.03 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: 1.26A		13.6-13.8V(-20mV/ °C)	

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Constant current discharge ratings-amperes at 25°C

F.V/Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	16.4	10.2	7.70	4.70	2.98	1.31	0.80	0.44	0.24
1.67V	15.4	9.68	7.41	4.49	2.95	1.26	0.78	0.44	0.23
1.70V	14.1	9.33	7.23	4.08	2.86	1.18	0.77	0.44	0.22
1.75V	13.8	9.04	7.00	3.88	2.72	1.14	0.75	0.43	0.22
1.80V	12.4	8.63	6.36	3.59	2.55	1.09	0.71	0.42	0.21
1.85V	10.9	8.23	5.72	3.31	2.37	1.05	0.66	0.42	0.21

Constant power discharge ratings-watts at 25°C

F.V/Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	28.8	18.4	14.1	8.46	5.39	2.32	1.35	0.89	0.47
1.67V	27.8	18.0	13.9	8.28	5.35	2.25	1.35	0.88	0.45
1.70V	26.2	17.8	13.8	7.76	5.25	2.15	1.33	0.87	0.45
1.75V	26.3	17.7	13.7	7.53	5.16	2.10	1.32	0.86	0.44
1.80V	24.1	17.5	12.7	7.18	4.87	2.04	1.28	0.85	0.43
1.85V	21.8	16.6	11.5	6.72	4.58	1.98	1.24	0.84	0.41

