

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.

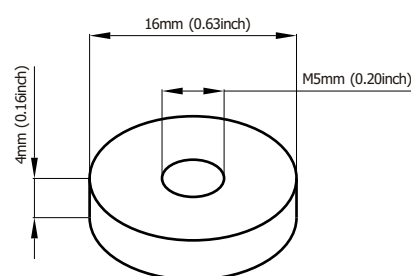
Application

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



General Features

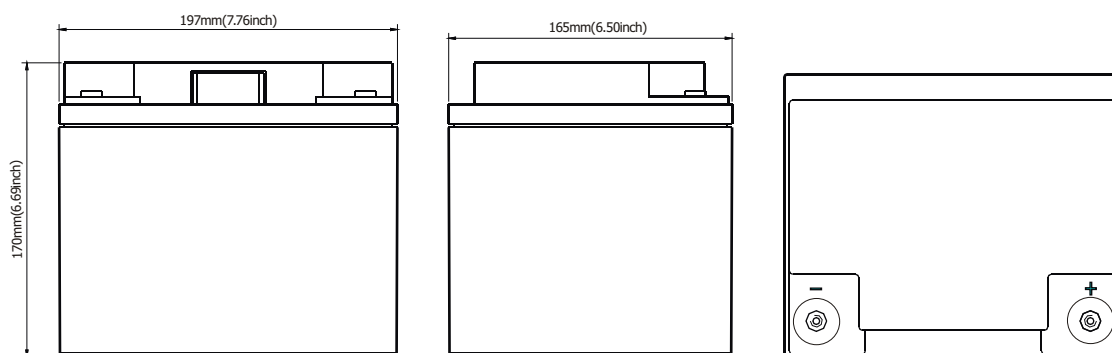
Sealed and maintenance free operation.
Non-Spillable construction design.
ABS containers and covers(UL94HB, UL94V-0) optional.
Safety valve installation for explosion proof.
High quality and high reliability.
Exceptional deep discharge recovery performance.
Low self discharge characteristic.
Flexibility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



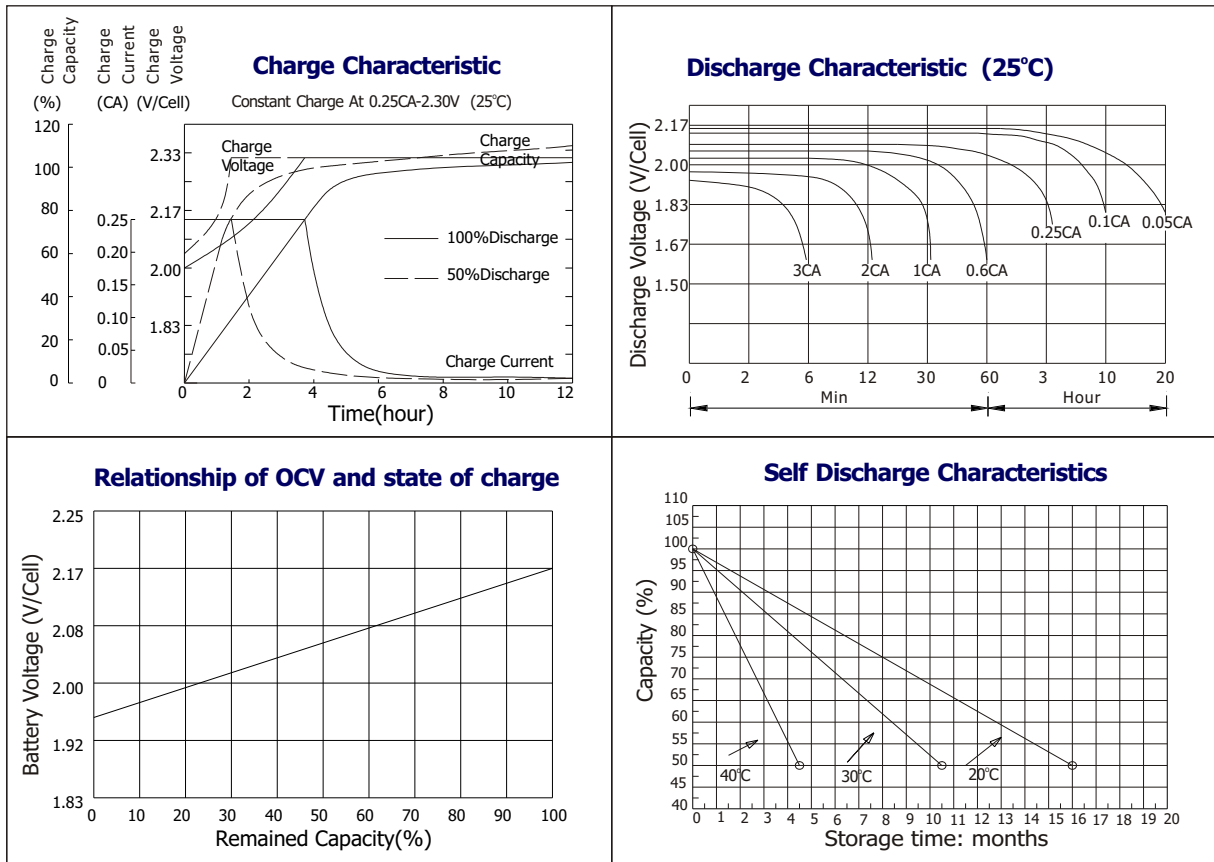
Construction

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	12450			
Designed Floating Life	10 Years			
Capacity(25°C)	20HR(2.3A,1.75V)	10HR(4.5A,1.75V)	5HR(7.65A,1.75V)	1HR(27A,1.75V)
	46AH	45AH	38.3AH	27AH
Dimensions	Length	Width	Height	Total Height
	197mm(7.76inch)	165mm(6.50inch)	170mm(6.69inch)	170mm(6.69inch)
Approx. Weight	13.8Kg			
Internal Resistance	Full charged at 25°C: 0.009 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: 11A		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	158	108	78.8	47.3	29.7	12.3	8.58	4.77	2.37
1.67V	142	98.6	76.5	45.9	29.7	12.2	8.52	4.70	2.36
1.70V	135	95.0	73.8	45.0	29.6	12.2	8.52	4.66	2.36
1.75V	120	87.8	69.8	44.1	29.3	12.2	8.45	4.58	2.35
1.80V	108	81.5	66.6	42.8	28.9	12.1	8.38	4.50	2.27
1.85V	81.9	67.1	57.6	39.3	28.6	12.1	8.31	4.42	2.13

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	260	179	140	89.1	58.5	23.6	16.4	9.54	4.74
1.67V	246	177	138	87.3	56.6	23.6	16.4	9.40	4.73
1.70V	230	172	136	85.1	55.1	23.6	16.4	9.33	4.73
1.75V	214	161	128	82.8	54.6	23.2	16.2	9.17	4.70
1.80V	192	150	120	80.6	53.6	22.9	16.0	9.01	4.54
1.85V	154	124	105	73.8	53.1	22.8	15.8	8.85	4.27