



SLA BATTERY

RA12-45 12V45AH



RA Series

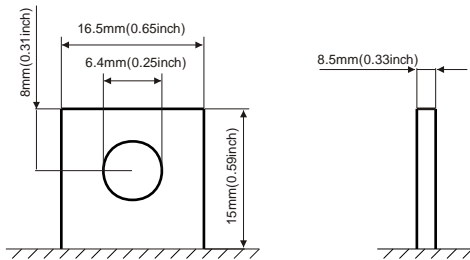
RA Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, special thicker plates and high purity electrolyte exerts stable performance with long life and the unique 2# additive gives higher capacity than its standard which widely used in the field of UPS, telecommunications.

Application

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

General Features

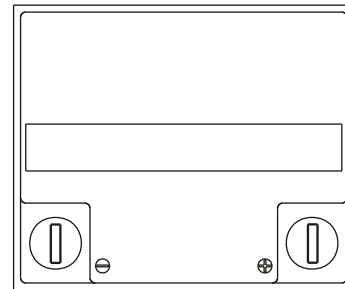
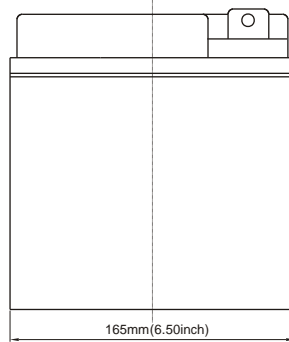
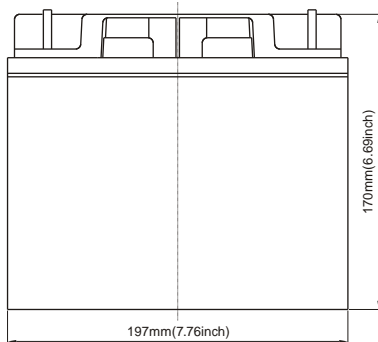
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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



Terminal Dimensions

Construction

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid

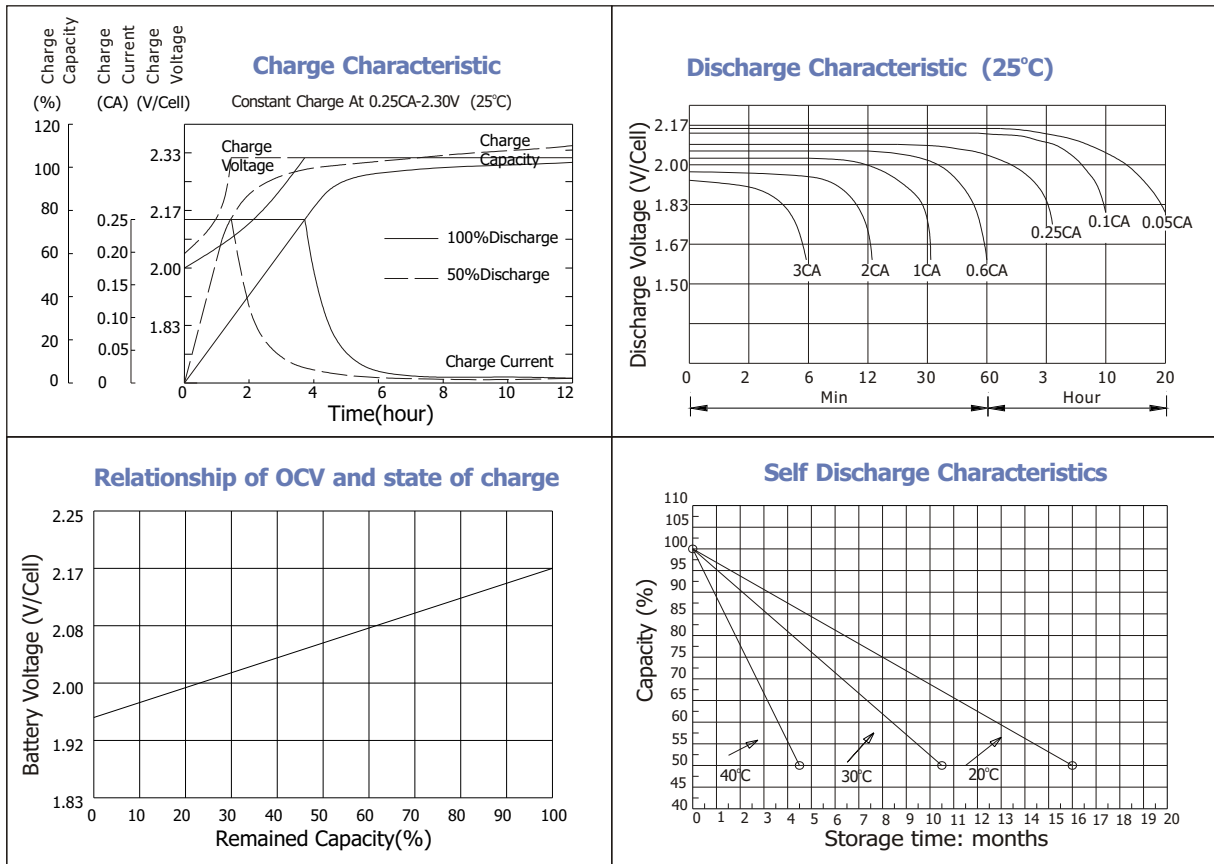


Battery Model	RA12-45			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(2.35A,1.75V)	10HR(4.5A,1.75V)	5HR(7.6A,1.75V)	1HR(27A,1.75V)
	47AH	45AH	38AH	27AH
Dimensions	Length	Width	Height	Total Height
	197mm(7.76inch)	165mm(6.50inch)	170mm(6.69inch)	170mm(6.69inch)
Approx. Weight	14Kg (30.9 lbs)			
Internal Resistance	Full charged at 25°C: 0.00810hm			
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: 11.25A		13.6-13.8V(-20mV/ °C)	



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Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	154	105.6	77.0	46.2	29.0	12.0	8.39	4.67	2.32
1.67V	139	96.4	74.8	44.9	29.0	12.0	8.33	4.60	2.31
1.70V	132	92.8	72.2	44.0	28.9	12.0	8.33	4.56	2.31
1.75V	117	85.8	68.2	43.1	28.6	11.9	8.26	4.48	2.30
1.80V	106	79.6	65.1	41.8	28.2	11.8	8.19	4.40	2.22
1.85V	80.1	65.6	56.3	38.5	27.9	11.8	8.12	4.33	2.09

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	254	175	136	87.1	57.2	23.1	16.1	9.33	4.64
1.67V	241	173	135	85.4	55.3	23.1	16.1	9.19	4.62
1.70V	225	169	133	83.2	53.9	23.1	16.1	9.12	4.62
1.75V	209	158	125	81.0	53.4	22.7	15.9	8.96	4.60
1.80V	188	147	117	78.8	52.4	22.4	15.6	8.81	4.44
1.85V	150	121	103	72.2	52.0	22.3	15.4	8.65	4.17



ISO9001:2000 Certificate



G4M20206-0910-E-16



MH28539



RBRC

