



# SLA BATTERY

## RA12-40 12V40AH



### RA Series

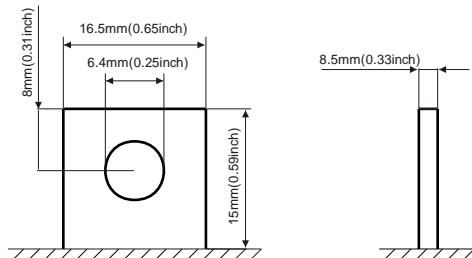
RA Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, special thicker plates and high purity electrolyte exerts stable performance with long life and the unique 2# additive gives higher capacity than its standard which widely used in the field of UPS, telecommunications.

### Application

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

### General Features

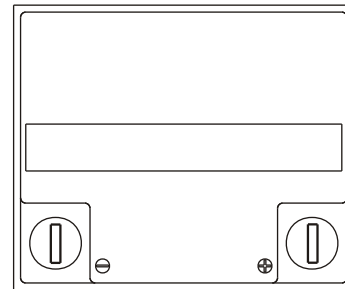
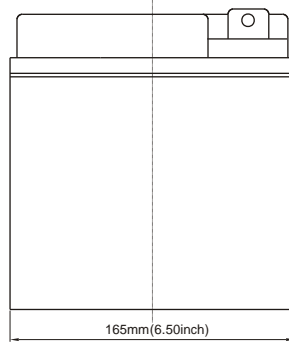
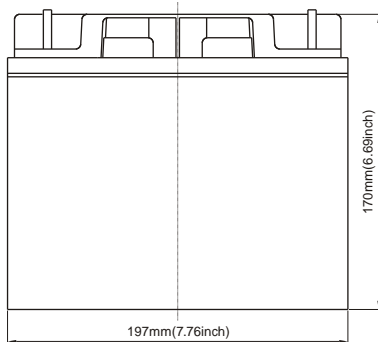
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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



**Terminal Dimensions**

### Construction

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

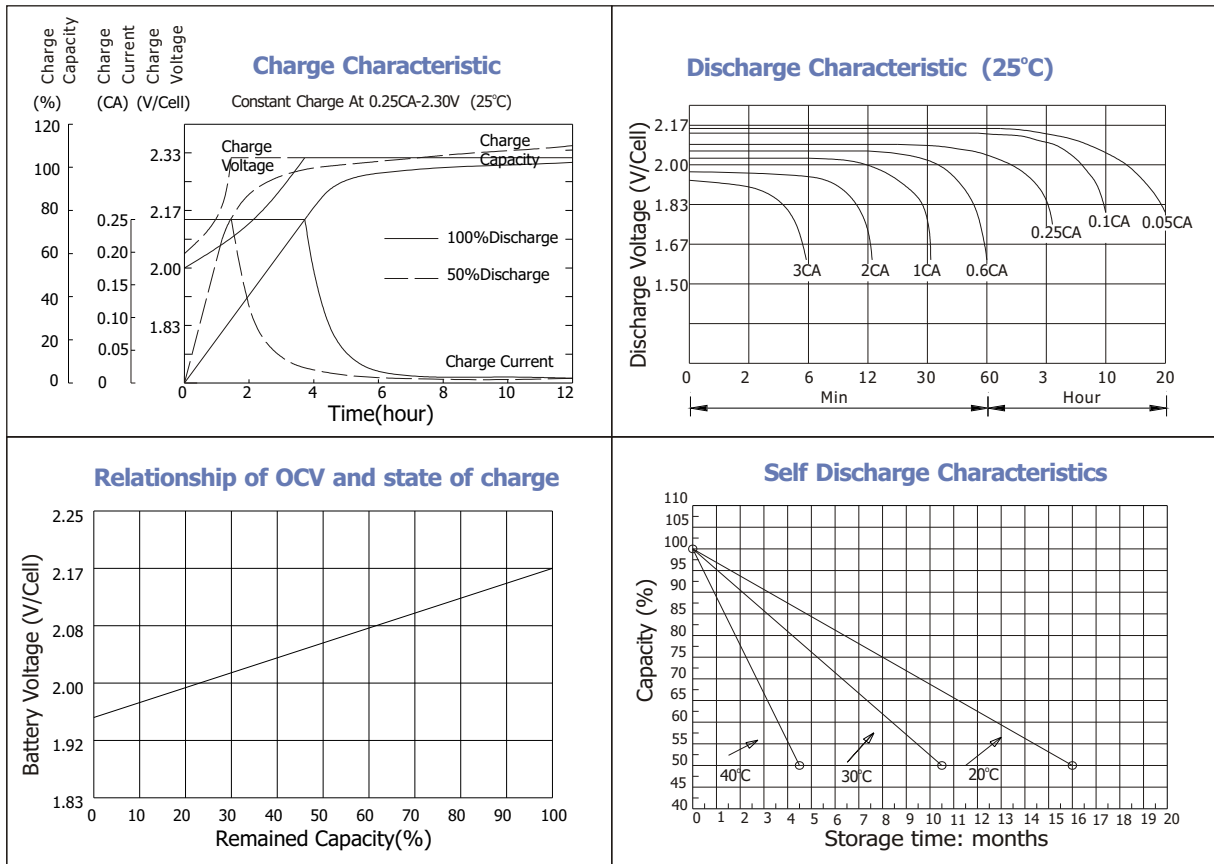


Battery Model	RA12-40			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(2.1A,1.75V)	10HR(4A,1.75V)	5HR(6.8A,1.75V)	1HR(24A,1.75V)
	42AH	40AH	34AH	24AH
Dimensions	Length	Width	Height	Total Height
	197mm(7.76inch)	165mm(6.50inch)	170mm(6.69inch)	170mm(6.69inch)
Approx. Weight	13.5Kg (29.8 lbs)			
Internal Resistance	Full charged at 25°C: 0.00820hm			
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: 10A		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	140	96.0	70.0	42.0	26.4	10.9	7.63	4.24	2.11
1.67V	126	87.6	68.0	40.8	26.4	10.9	7.57	4.18	2.10
1.70V	120	84.4	65.6	40.0	26.3	10.9	7.57	4.15	2.10
1.75V	106	78.0	62.0	39.2	26.0	10.8	7.51	4.07	2.09
1.80V	96.0	72.4	59.2	38.0	25.7	10.8	7.45	4.00	2.02
1.85V	72.8	59.6	51.2	35.0	25.4	10.7	7.38	3.93	1.90

### Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	231	159	124	79.2	52.0	21.0	14.6	8.48	4.22
1.67V	219	157	123	77.6	50.3	21.0	14.6	8.36	4.20
1.70V	204	153	121	75.6	49.0	21.0	14.6	8.29	4.20
1.75V	190	143	114	73.6	48.5	20.6	14.4	8.15	4.18
1.80V	171	133	107	71.6	47.7	20.4	14.2	8.01	4.03
1.85V	137	110	93.2	65.6	47.2	20.3	14.0	7.87	3.79



ISO9001:2000 Certificate



G4M20206-0910-E-16



MH28539



RBRC

