

Standard Terminal Dimensions (Optional terminal please check terminal information page)



HR Range

HR(Hight Rate)range Valve Regulated Lead Acid (VRLA) batteries have been developed with high efficiency active materials to stimulate inside the battery with higher power output when the battery is discharged to a extent level of discharging. Along with high-density structure design for relatively smaller inner resistance which will significantly improve the performance for high rate discharging when high power output service is needed.

Application

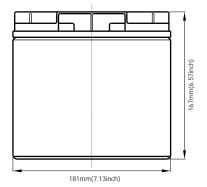
- •Alarm System
- •Cable Televison
- •Cable Television
- •Communication Equipment
- •Control Equipment
- Security System •Medical Equipment Toys •UPS
- •Emergency Power System

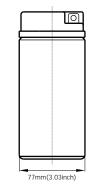
General Features

- 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

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



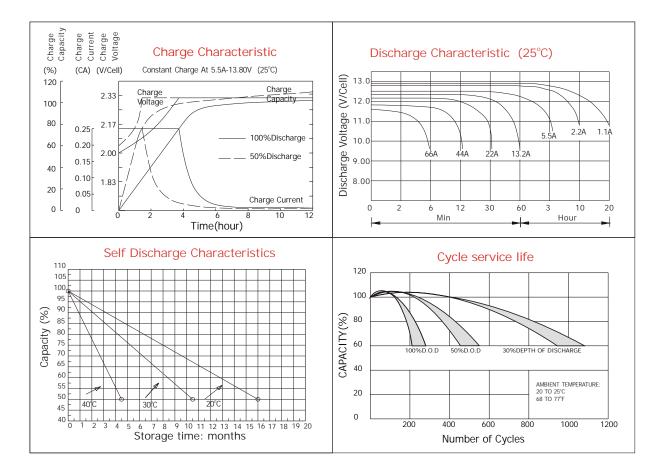


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Battery Model	GT12-22HR (80W to 1.67V, 15min)					
Designed Floating Life	8 Years					
C_{2}	20HR(1.1A,1.75V)	10HR(2A,1.75V)	5HR(3.75A,1.75V)	1HR(14.5A,1.75V)		
Capacity(25°C)	22AH 20AH 18.75AH		14.5AH			
Dimensions	Length	Width	Height	Total Height		
	181mm(7.13inch)	77mm(3.03inch)	167mm(6.57inch)	167mm(6.57inch)		
Approx. Weight	6.2Kg (13.67 lbs)					
Internal Resistance	Full charged at 25°C: 0.014 Ohm					
Self Discharge	3% of capacity declined per month at (25°C)					
Capacity Affected	40°C	25°C	0°C	-15°C		
by Temp.(20HR)	102%	100%	85%	65%		
Charge Voltage(25°C)	Cycle	e use	Float use			
Charge Voltage(23 C)	14.4-15V(-30mV/ °C	C), max. Current: 5.5A	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	94.5	58.8	44.4	27.1	15.6	6.86	4.19	2.28	1.23
1.67V	88.7	55.8	42.7	25.9	15.4	6.60	4.11	2.26	1.19
1.70V	81.3	53.8	41.7	23.5	15.0	6.16	4.02	2.25	1.17
1.75V	79.7	52.1	40.3	22.4	14.3	5.95	3.93	2.25	1.14
1.80V	71.3	49.7	36.6	20.7	13.3	5.72	3.70	2.20	1.11
1.85V	62.9	47.4	32.9	19.1	12.4	5.51	3.46	2.17	1.08

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	166	106	81.0	48.7	28.2	12.2	7.09	4.69	2.46
1.67V	160	104	80.0	47.7	28.0	11.8	7.06	4.66	2.38
1.70V	151	103	79.3	44.7	27.5	11.3	6.97	4.63	2.35
1.75V	152	102	78.7	43.4	27.0	11.0	6.91	4.58	2.29
1.80V	139	101	72.9	41.3	25.5	10.7	6.69	4.52	2.23
1.85V	126	95.5	66.2	38.7	24.0	10.4	6.48	4.46	2.14