





6.35mm(.250inch)

3.15mm(.124inch)

Standard Terminal Dimensions

5.35mm(.250inch)

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

0.8mm(.031inch)

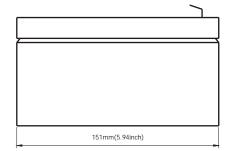
- •Cable Televison
- •Cable Television
- Communication Equipment
- •Control Equipment
- Security System
- •Medical Equipment
- Toys
- •UPS
- •Emergency Power System

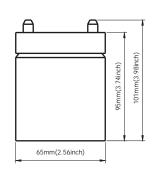
General Features

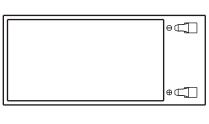
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- · High quality and high reliability.
- Exceptional deep discharge recovery performance.
- · Low self discharge characteristic.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

Construction

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



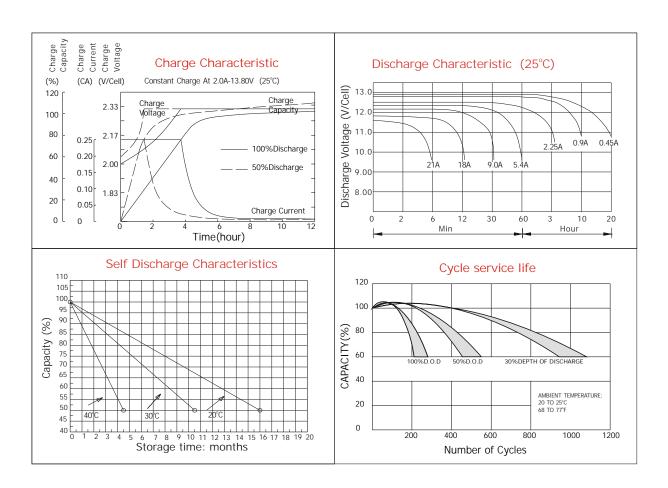




Battery Model	GT12-9HR (35W to 1.67V, 15min)						
Designed Floating Life	5 Years						
Capacity(25°C)	20HR(4.5A,1.75V)	10HR(0.8A,1.75V)	5HR(1.4A,1.75V)	1HR(5.4A,1.75V)			
Capacity(25 C)	9AH	9AH 8AH 7AH		5.4AH			
Dimensions	Length	Width	Height	Total Height			
Dimensions	151mm(5.94inch)	65mm(2.56inch)	95mm(3.74inch)	101mm(3.98inch)			
Approx. Weight	2.67Kg (5.89 lbs)						
Internal Resistance	Full charged at 25°C: 0.02 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%			
Ob	Cycle	e use	Float use				
Charge Voltage(25°C)	14.4-15V(-30mV/ °C)	, max. Current: 2.4A	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	41.4	25.7	19.4	11.8	5.69	2.50	1.53	0.83	0.48
1.67V	38.8	24.4	18.7	11.3	5.61	2.40	1.49	0.82	0.46
1.70V	35.6	23.5	18.2	10.3	5.44	2.24	1.46	0.82	0.45
1.75V	34.9	22.8	17.6	9.78	5.18	2.17	1.43	0.81	0.44
1.80V	31.2	21.8	16.0	9.06	4.85	2.08	1.34	0.80	0.43
1.85V	27.5	20.7	14.4	8.34	4.52	2.01	1.26	0.78	0.42

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	72.6	46.5	35.4	21.3	10.3	4.43	2.58	1.71	0.95
1.67V	70.0	45.3	35.0	20.9	10.2	4.29	2.57	1.70	0.92
1.70V	65.9	44.9	34.7	19.6	10.0	4.10	2.53	1.69	0.91
1.75V	66.4	44.7	34.4	19.0	9.83	4.00	2.51	1.65	0.88
1.80V	60.7	44.0	31.9	18.1	9.27	3.88	2.43	1.60	0.86
1.85V	55.1	41.8	28.9	16.9	8.71	3.77	2.36	1.56	0.83

