GasTon™ BATTERY

GT -HR Range

GT12-35HR *12V35AH/C20*

HR Range

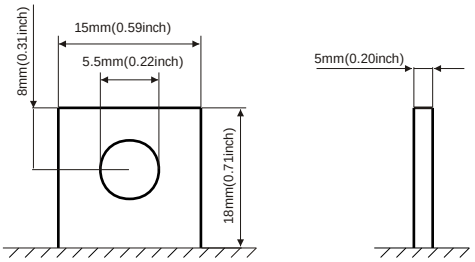
HR(Hight Rate)range Valve Regulated Lead Acid (VRLA) batteries have been developed with high efficiency active materials to stimulate inside the battery with higher power output when the battery is discharged to a extent level of discharging. Along with high-density structure design for relatively smaller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

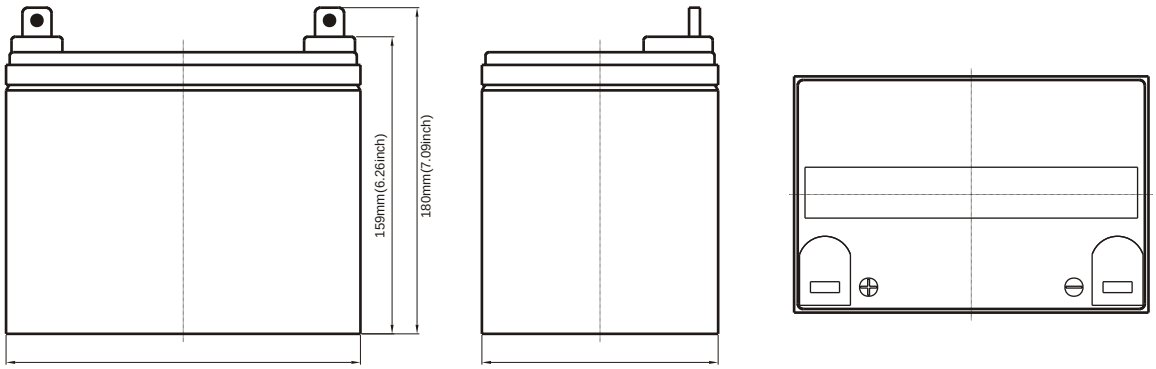
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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



Terminal Dimensions

Construction

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



Battery Model	GT12-35HR (140W to 1.67V, 15min)			
Designed Floating Life	6-8 Years			
Capacity(25°C)	20HR(1.75A,1.75V)	10HR(3.3A,1.75V)	5HR(5.6A,1.75V)	1HR(21A,1.75V)
	35AH	33AH	28AH	21AH
Dimensions	Length	Width	Height	Total Height
	195mm(7.68inch)	130mm(5.12inch)	159mm(6.26inch)	180mm(7.09inch)
Approx. Weight	11Kg (24.26 lbs)			
Internal Resistance	Full charged at 25°C: 0.01 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: 8.25A		13.6-13.8V(-20mV/ °C)	

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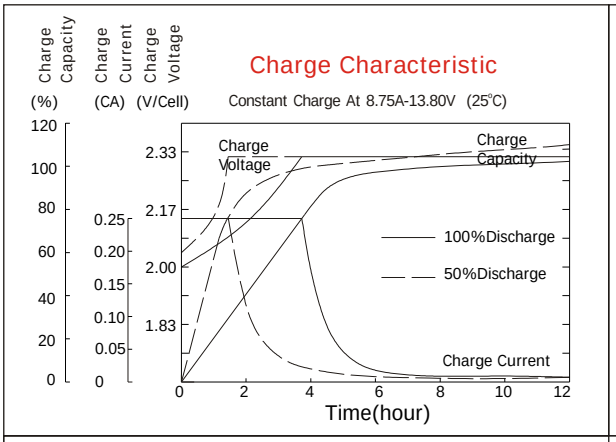

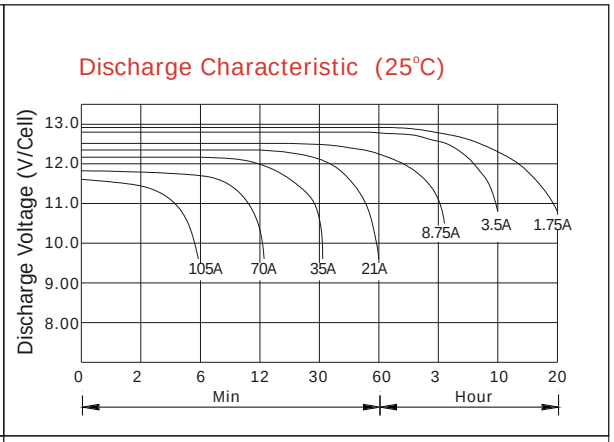

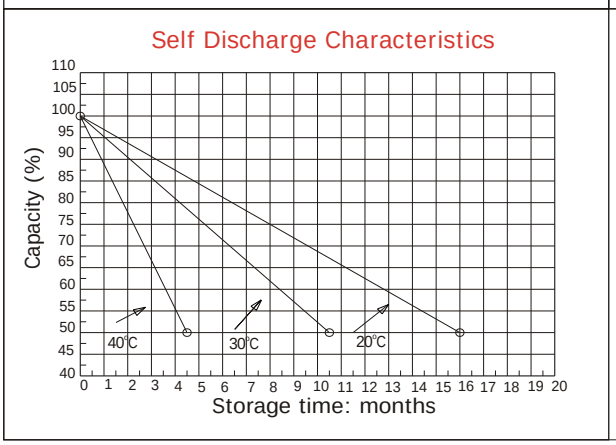

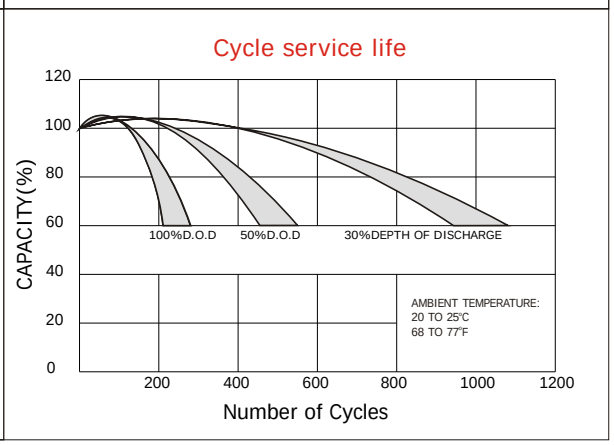

Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	165	103	77.6	47.4	23.5	10.3	6.29	3.43	1.85
1.67V	155	97.6	74.7	45.3	23.1	9.90	6.16	3.39	1.79
1.70V	142	94.1	72.9	41.2	22.4	9.24	6.03	3.38	1.76
1.75V	139	91.2	70.6	39.1	21.4	8.93	5.90	3.37	1.71
1.80V	125	87.1	64.1	36.2	20.0	8.58	5.54	3.30	1.67
1.85V	110	82.9	57.6	33.4	18.7	8.27	5.19	3.26	1.64

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	290	186	142	85.3	42.3	18.3	10.6	7.04	3.70
1.67V	280	181	140	83.5	42.1	17.7	10.6	7.00	3.56
1.70V	264	179	139	78.2	41.3	16.9	10.5	6.95	3.52
1.75V	265	179	138	75.9	40.6	16.5	10.4	6.86	3.43
1.80V	243	176	128	72.4	38.2	16.0	10.0	6.70	3.36
1.85V	220	167	116	67.8	35.9	15.5	9.72	6.56	3.30