



GTS Series

GASTON GTS Series batteries utilizes thick grids of modern technology are adopted so as to guarantee the design life up to 15 years. Advanced micro porous absorbed glass matt separator - minimizes diffusion of oxygen into the separator, reducing float charge current which suppressed the corrosion rate of the positive grid and extends the life of the battery.

Application

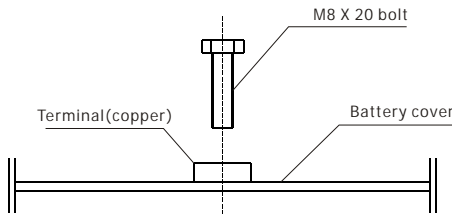
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System

General Features

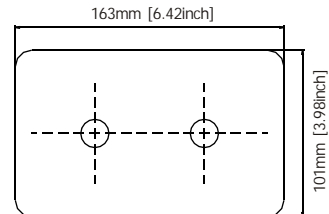
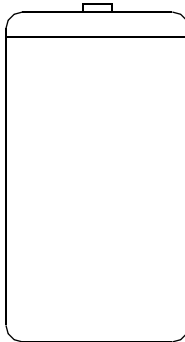
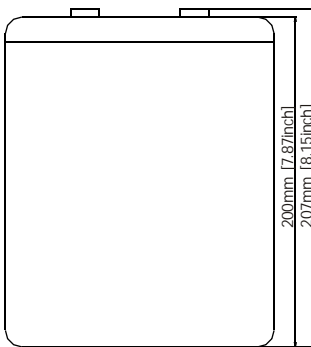
- Extra long life service design (up to 15 years).
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Construction

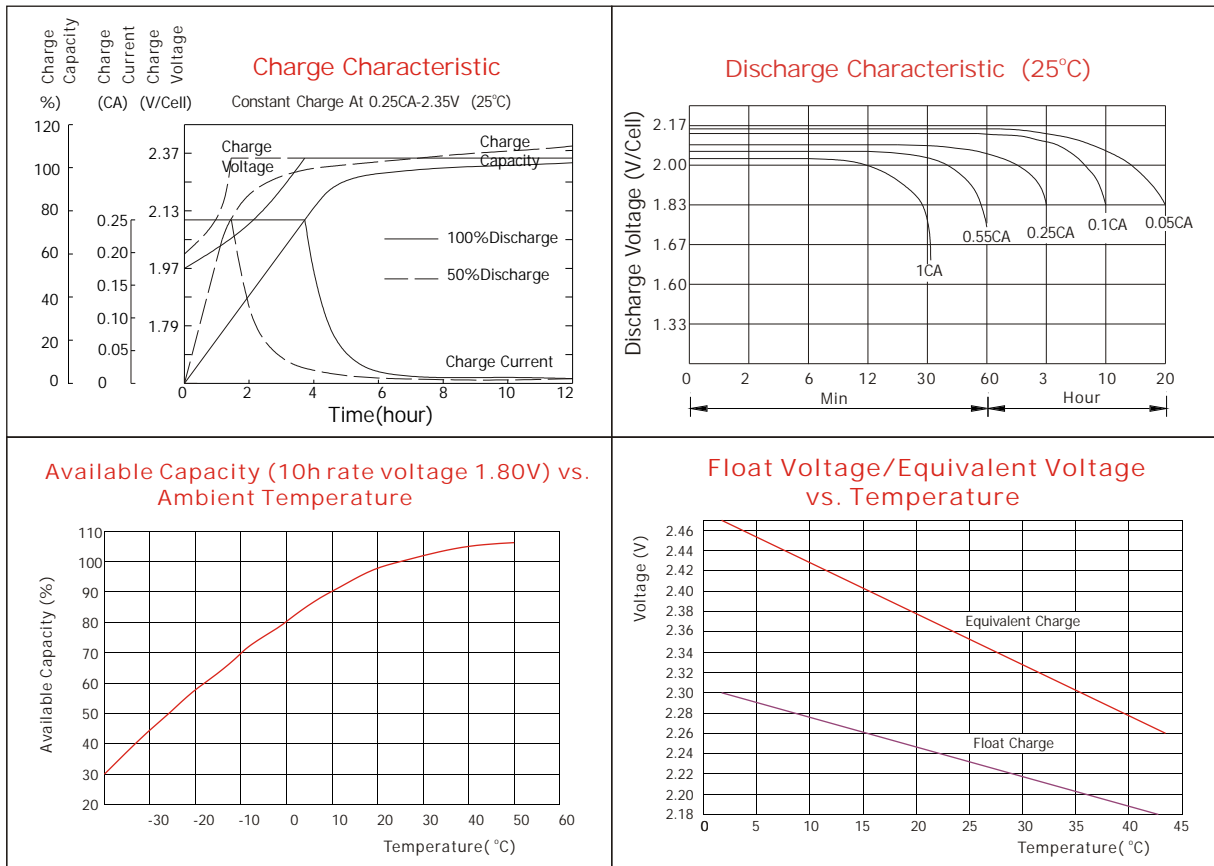
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	GTS-100			
Designed Floating Life	15 Years			
Capacity(25°C)	10HR(10A,1.80V)	3HR(25A,1.80V)	1HR(55A,1.75V)	
	100AH	75AH	55AH	
Dimensions	Length	Width	Height	Total Height
	101mm [3.98inch]	163mm [6.42inch]	200mm [7.87inch]	207mm [8.15inch]
Approx. Weight	7.5Kg (16.54 lbs)			
Internal Resistance	Full charged at 25°C: 0.0012 Ohm			
Self Discharge	Storing for 90d capacity retention is over 94% (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	
	2.35V-2.40V@25°C(-5mV/°C), max. Current: 25A		2.23V @ 25°C (-3mV/°C)	



Constant current discharge ratings-amperes at 25°C (A)

F.V/ Time	5MIN	15MIN	30MIN	1HOUR	2HOUR	3HOUR	5HOUR	8HOUR	10HOUR	24HOUR
1.60V	168.3	141.0	104.4	66.0	38.9	28.5	19.4	13.3	11.1	4.98
1.65V	155.5	131.4	100.0	62.6	38.0	27.8	18.9	13.1	10.9	4.96
1.70V	145.4	123.2	92.0	59.8	36.6	27.0	18.7	12.9	10.8	4.94
1.75V	138.5	116.7	85.5	57.0	35.3	26.2	18.2	12.7	10.6	4.88
1.80V	133.2	110.0	80.0	53.4	33.8	25.4	17.8	12.5	10.4	4.80
1.83V	123.9	103.3	76.2	50.0	32.3	24.6	17.4	12.3	10.2	4.70
1.85V	118.0	97.5	71.3	48.2	30.5	24.1	17.2	12.1	10.1	4.64
1.88V	109.7	88.9	67.0	46.2	29.8	23.6	17.0	12.0	10.0	4.60
1.90V	101.5	82.5	61.2	42.8	28.6	22.6	16.5	11.7	9.76	4.54
1.94V	91.2	73.5	54.2	38.0	25.8	20.8	15.3	10.9	9.20	4.40

Constant power discharge ratings-watts at 25°C (W/Cell)

F.V/ Time	5MIN	15MIN	30MIN	1HOUR	2HOUR	3HOUR	5HOUR	8HOUR	10HOUR	24HOUR
1.60V	286.2	239.7	190.8	136.0	87.8	65.0	42.9	28.7	23.4	10.5
1.65V	272.2	230.0	180.5	125.7	80.5	61.0	41.4	27.6	22.8	10.4
1.70V	261.7	221.8	176.0	119.7	78.2	58.8	40.5	27.0	22.2	10.2
1.75V	253.5	213.5	170.0	115.0	75.4	56.7	39.5	26.0	21.8	10.0
1.80V	246.5	203.5	164.0	112.3	74.0	54.7	38.4	25.3	21.5	9.92
1.83V	233.0	194.2	154.7	108.3	71.0	53.3	37.6	24.8	21.1	9.72
1.85V	224.2	185.3	145.8	102.2	68.0	51.8	36.6	24.5	20.7	9.51
1.88V	211.7	171.7	135.6	96.0	63.2	50.0	35.4	23.8	20.2	9.29
1.90V	197.8	160.8	123.0	88.0	59.0	48.0	34.2	22.9	19.2	8.93
1.94V	178.8	144.0	110.2	78.0	54.5	44.6	32.4	22.0	18.3	8.75