

### GTS Series

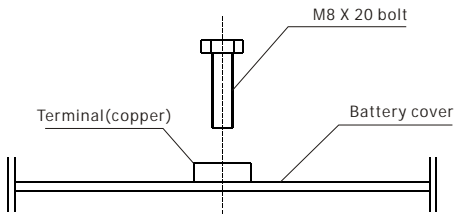
GASTON GTS Series batteries utilizes thick grids of modern technology are adopted so as to guarantee the design life up to 15 years. Advanced micro porous absorbed glass matt separator - minimizes diffusion of oxygen into the separator, reducing float charge current which suppressed the corrosion rate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

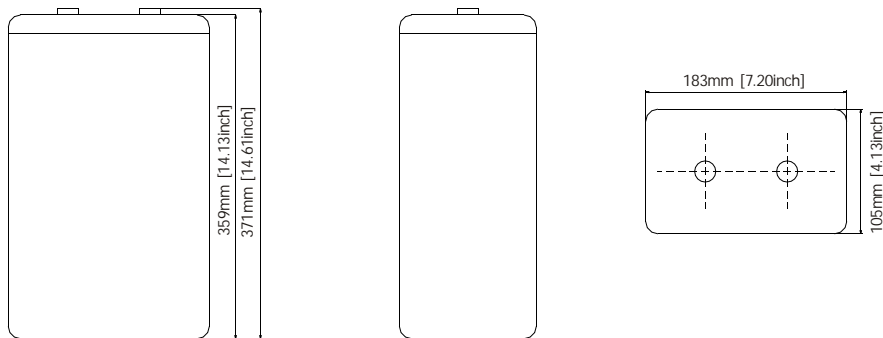
- Extra long life service design (up to 15 years).
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low self discharge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



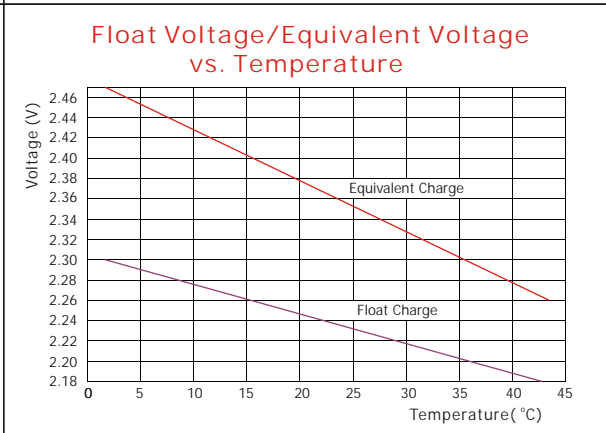
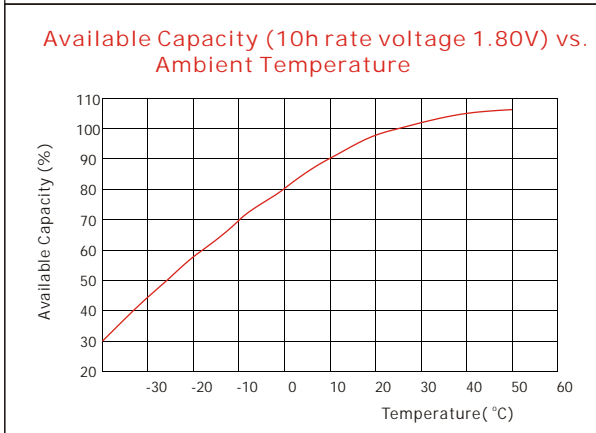
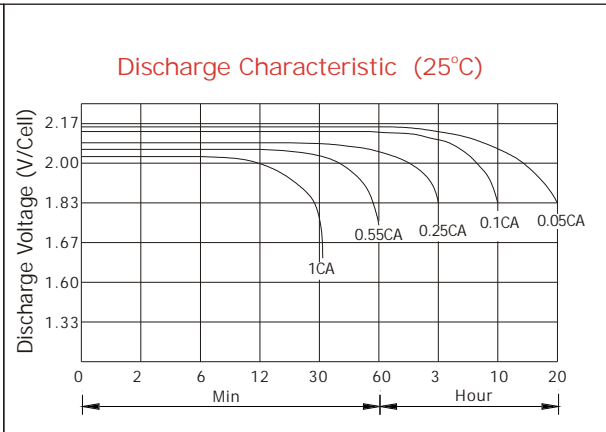
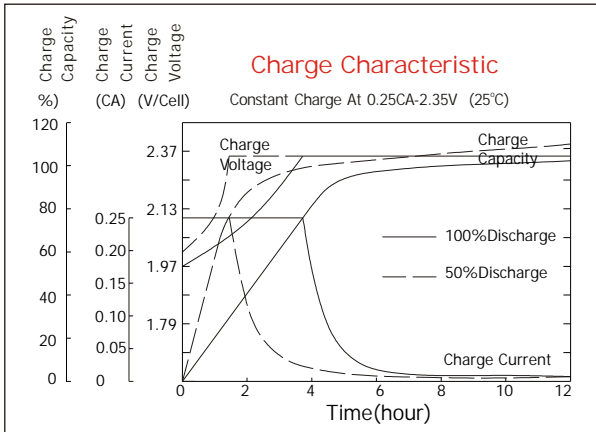
Terminal Dimensions

### 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	GTS-200			
Designed Floating Life	15 Years			
Capacity(25°C)	10HR(20A,1.80V)	3HR(50A,1.80V)	1HR(110A,1.75V)	
	200AH	150AH	110AH	
Dimensions	Length	Width	Height	Total Height
	105mm [4.13inch]	183 mm [7.20inch]	359mm [14.13inch]	371mm [14.61inch]
Approx. Weight	15.5Kg (34.18 lbs)			
Internal Resistance	Full charged at 25°C: 0.00067 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: 50A		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	337	282	209	132	77.8	57.1	38.7	26.6	22.1	9.96
1.65V	311	263	200	125	76.0	55.7	37.8	26.3	21.9	9.92
1.70V	291	246	184	120	73.2	54.1	37.4	25.8	21.6	9.88
1.75V	277	233	171	114	70.6	52.4	36.4	25.5	21.2	9.76
1.80V	266	220	160	107	67.6	50.8	35.6	25.0	20.8	9.60
1.83V	248	207	152	100	64.6	49.2	34.7	24.6	20.3	9.40
1.85V	236	195	143	96.4	61.0	48.2	34.4	24.3	20.2	9.28
1.88V	219	178	134	92.3	59.7	47.2	34.0	24.0	20.0	9.20
1.90V	203	165	122	85.6	57.2	45.2	33.1	23.4	19.5	9.08
1.94V	182	147	108	76.0	51.7	41.6	30.6	21.8	18.4	8.80

**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	572	479	382	272	176	130	85.9	57.3	46.8	21.1
1.65V	544	460	361	251	161	122	82.9	55.2	45.7	20.7
1.70V	523	444	352	239	156	118	81.0	54.0	44.3	20.3
1.75V	507	427	340	230	151	113	79.0	52.0	43.7	20.1
1.80V	493	407	328	225	148	109	76.8	50.7	43.0	19.8
1.83V	466	388	309	217	142	107	75.2	49.7	42.2	19.5
1.85V	448	371	292	204	136	104	73.2	49.0	41.3	19.0
1.88V	423	343	271	192	126	100	70.8	47.7	40.3	18.5
1.90V	396	322	246	176	118	96.0	68.4	45.8	38.3	17.8
1.94V	358	288	220	156	109	89.2	64.8	44.0	36.7	17.6