

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

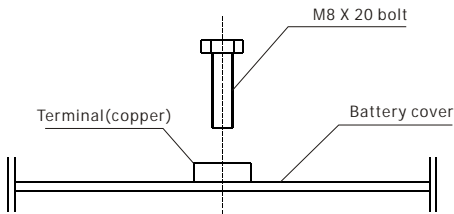
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System

General Features

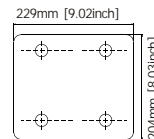
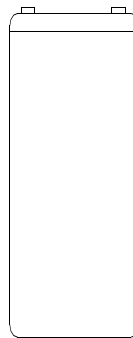
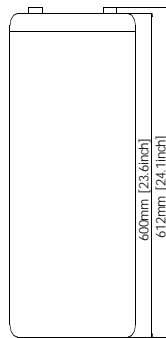
- Extra long life service design (up to 15 years).
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low self discharge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

Construction

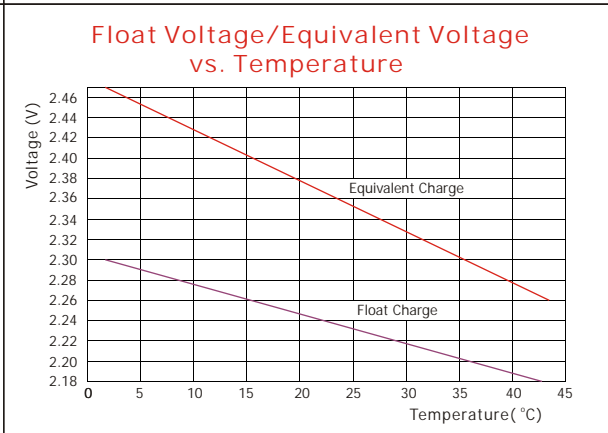
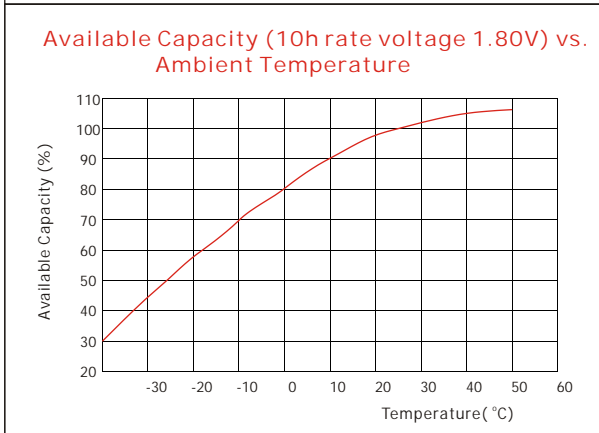
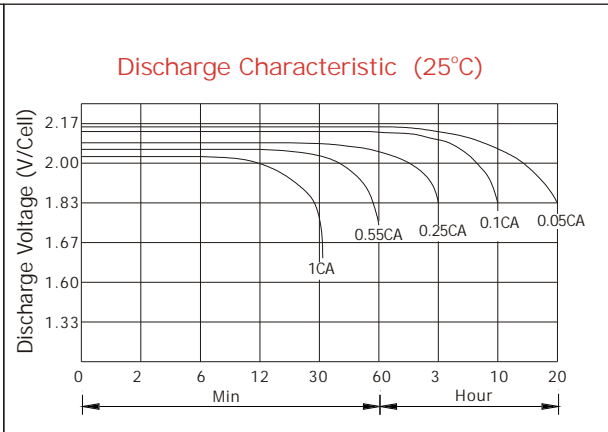
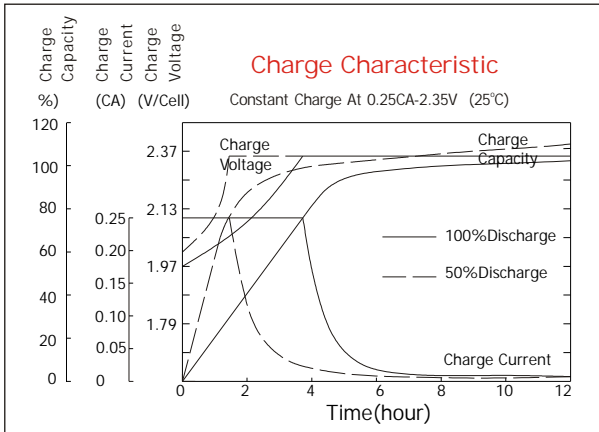
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	GTS-1000			
Designed Floating Life	15 Years			
Capacity(25°C)	10HR(100A,1.80V)	3HR(250A,1.80V)	1HR(550A,1.75V)	
	1000AH	750AH	550AH	
Dimensions	Length	Width	Height	Total Height
	204mm [8.03inch]	229mm [9.02inch]	600mm [23.6inch]	612mm [24.1inch]
Approx. Weight	73Kg (161 lbs)			
Internal Resistance	Full charged at 25°C: 0.00019 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: 250A		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	1463	1231	1000	659	405	297	194	131	109	50.3
1.65V	1371	1158	912	622	394	289	192	130	108	49.6
1.70V	1289	1096	834	591	380	276	187	128	106	49.4
1.75V	1216	1032	769	558	366	270	184	126	105	49.0
1.80V	1149	962	720	530	355	264	180	124	104	47.9
1.83V	1064	886	672	500	340	256	177	123	104	47.9
1.85V	986	818	633	468	320	242	169	119	100	46.5
1.88V	905	740	586	425	298	228	161	115	96.0	45.2
1.90V	808	646	526	387	268	216	153	108	90.9	43.5
1.94V	727	587	483	348	239	185	134	96.7	82.5	38.7

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	2486	2092	1729	1261	802	595	405	290	240	111
1.65V	2400	2027	1662	1221	769	580	395	284	234	109
1.70V	2320	1973	1608	1175	738	568	387	279	232	107
1.75V	2225	1888	1511	1108	706	557	380	273	230	106
1.80V	2125	1780	1413	1020	680	540	370	267	226	104
1.83V	2000	1665	1320	954	655	528	360	260	222	102
1.85V	1874	1555	1220	874	630	510	350	252	214	99.5
1.88V	1748	1429	1100	800	598	482	340	245	208	97.9
1.90V	1575	1260	998	741	568	465	327	236	201	96.2
1.94V	1425	1151	881	668	523	426	298	212	181	85.1