



GASTON GT

range is the most common standard and the first generation delicate product which is designed with AGM(Absorbent Glass Mat) technology, high performance plates and electrolyte. The definition of GT is coming from General purpose. Therefore, this range product has possessed various applications for common power backup system.

Applications

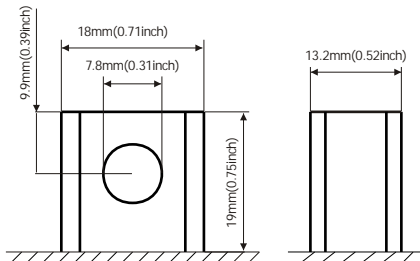
- Alarm System
- Medical Equipment
- Cable Television
- UPS
- Communication Equipment
- Power Tool
- Control Equipment
- Emergency Power System
- Security System
- Stand-by Electric Power Control System
- Emergency Lighting System

General Features

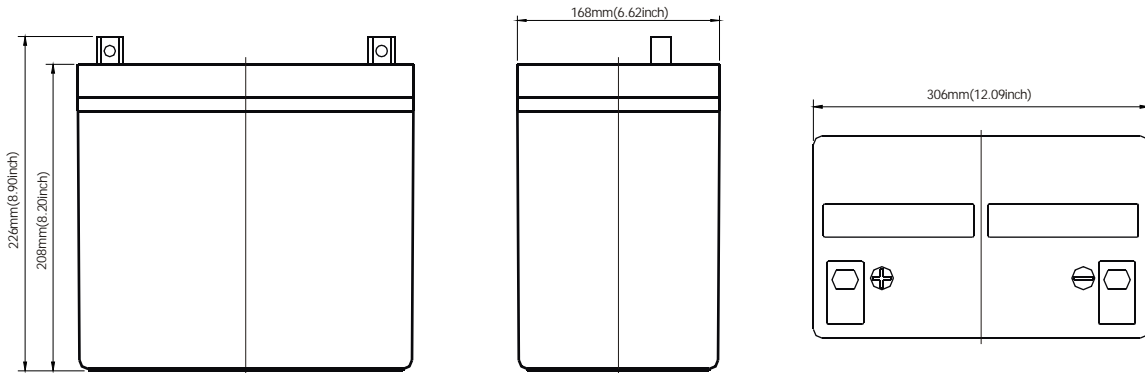
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

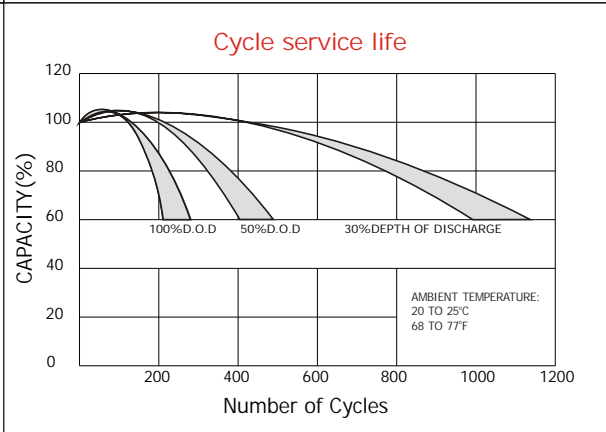
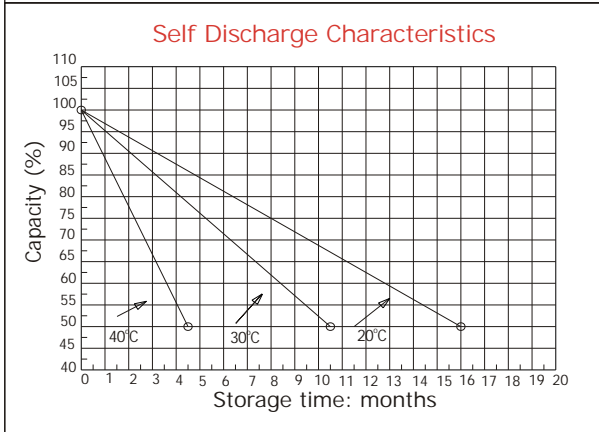
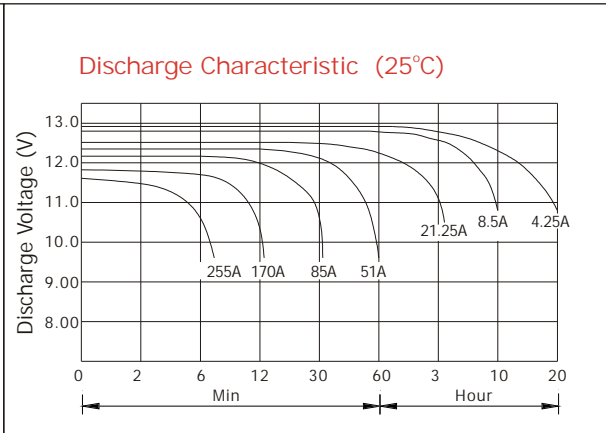
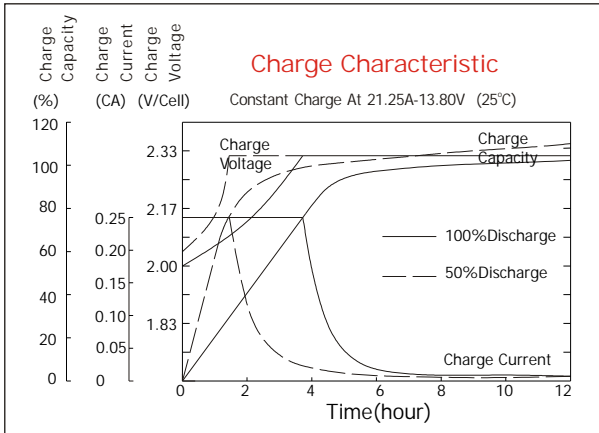
- ComponentRaw material
- SealantEpoxy Resin
- PositiveLead dioxide
- Safety valveEPDR
- NegativeLead
- TerminalLead
- ContainerABS
- SeparatorFiber glass
- CoverABS
- ElectrolyteSulfuric acid



Standard Terminal Dimensions
(Optional terminal please check terminal information page)



Battery Model	GT12-85			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(4.35A,1.75V)	10HR(8.5A,1.75V)	5HR(14.5A,1.75V)	1HR(53.6A,1.75V)
	87Ah	85Ah	72.5Ah	53.6Ah
Dimensions	Length	Width	Height	Total Height
	306mm(12.09inch)	168mm(6.62inch)	208mm(8.20inch)	226mm(8.901inch)
Approx. Weight	26 Kg (57.3 lbs)			
Internal Resistance	Full charged at 25°C: 0.0052 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: 21A		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	298	204	149	89.3	56.1	23.2	16.2	9.01	4.48
1.67V	268	186	145	86.7	56.0	23.1	16.1	8.88	4.46
1.70V	254	179	139	85.0	55.8	23.1	16.1	8.81	4.46
1.75V	226	166	132	83.3	55.3	23.0	16.0	8.66	4.44
1.80V	204	154	126	80.8	54.6	22.9	15.8	8.51	4.29
1.85V	155	127	109	74.3	54.0	22.8	15.7	8.36	4.03

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	490	338	264	168	111	44.5	31.0	18.0	8.96
1.67V	465	334	261	165	107	44.5	31.0	17.8	8.93
1.70V	434	326	257	161	104	44.5	31.0	17.6	8.93
1.75V	405	304	241	156	103	43.9	30.7	17.3	8.89
1.80V	363	283	227	152	101	43.3	30.2	17.0	8.57
1.85V	291	235	198	139	100	43.1	29.8	16.7	8.06

