

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

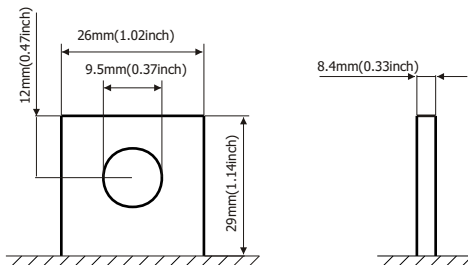
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|---------------------------|--|
| Alarm System | Medical Equipment |
| Cable Television | UPS |
| Communication Equipment | Power Tool |
| Control Equipment | Emergency Power System |
| Security System | Stand-by Electric Power Control System |
|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

General Features

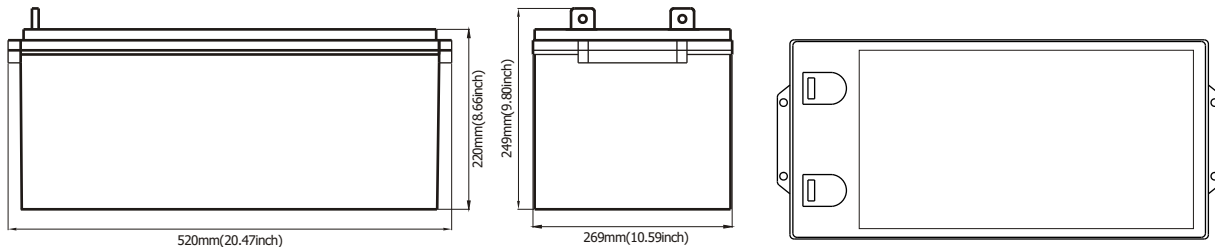
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

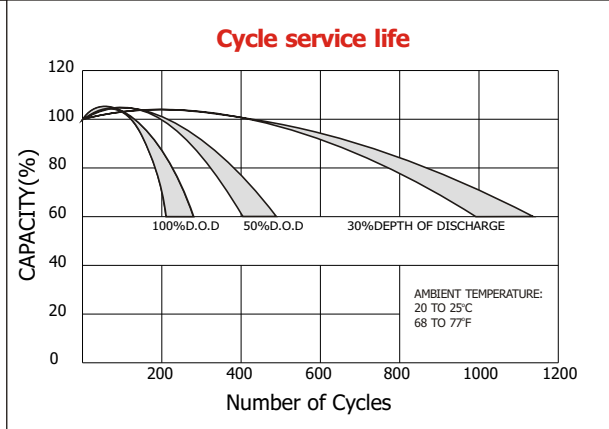
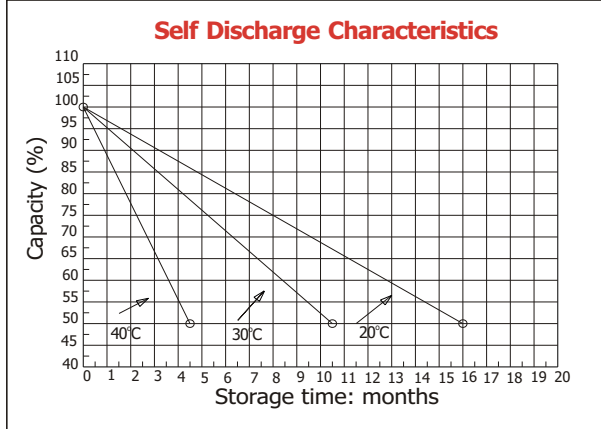
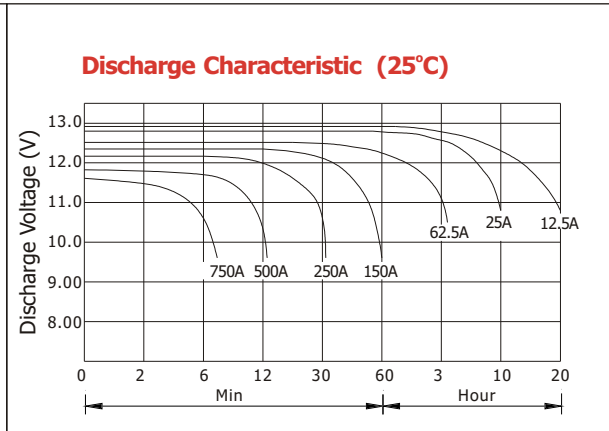
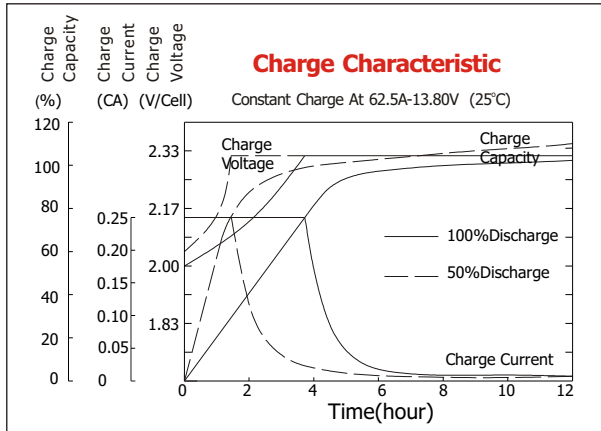
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|-----------|-------------------|--------------|--------------------|
| Component |Raw material | Sealant |Epoxy Resin |
| Positive |Lead dioxide | Safety valve |EPDR |
| Negative |Lead | Terminal |Lead |
| Container |ABS | Separator |Fiber glass |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



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



Battery Model	GT 12-250			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(10.1A,1.75V)	10HR(20A,1.75V)	5HR(42.5A,1.75V)	1HR(157.5A,1.75V)
	252Ah	250Ah	212.5Ah	157.5Ah
Dimensions	Length	Width	Height	Total Height
	520mm(20.47inch)	269mm(10.59inch)	220mm(8.66inch)	249mm(9.80inch)
Approx. Weight	78.8Kg (173.4 lbs)			
Internal Resistance	Full charged at 25°C: 0.004 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: 62.5A		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	875	600	437	262	165	68.3	47.7	26.5	13.1
1.67V	787	547	425	255	165	68.0	47.3	26.1	13.1
1.70V	747	527	410	250	163	68.0	47.2	25.8	13.1
1.75V	665	487	387	245	162	67.5	46.8	25.5	13.1
1.80V	600	452	370	237	160	67.2	46.5	25.0	12.6
1.85V	455	497	320	218	158	67.0	46.1	24.6	12.3

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1442	995	775	495	325	131	91.3	53.0	26.3
1.67V	1367	982	767	485	313	131	91.3	52.3	26.2
1.70V	1277	957	755	472	306	131	91.3	51.9	26.2
1.75V	1190	896	710	460	303	128	90.2	50.9	26.1
1.80V	1067	832	667	447	297	127	88.7	50.0	25.2
1.85V	855	690	582	410	295	126	87.5	49.1	24.7

