



GF12-7E

12V6.0Ah/C₂₀



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

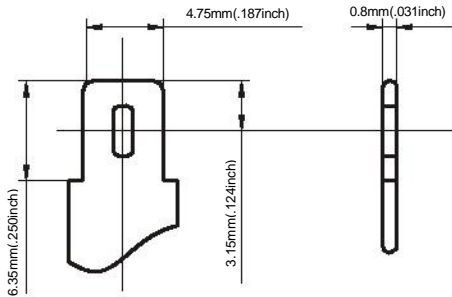
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Emergency Lighting System
- Medical Equipment
- UPS
- Power Tool
- Emergency Power System
- Stand-by Electric Power Control System

General Features

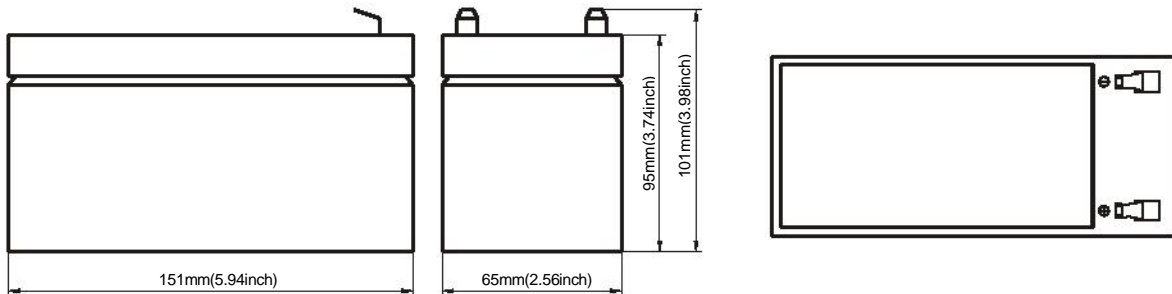
- Sealed and maintenance free operation.
- Non-Spilt able construction design.
- ABS containers and covers (UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

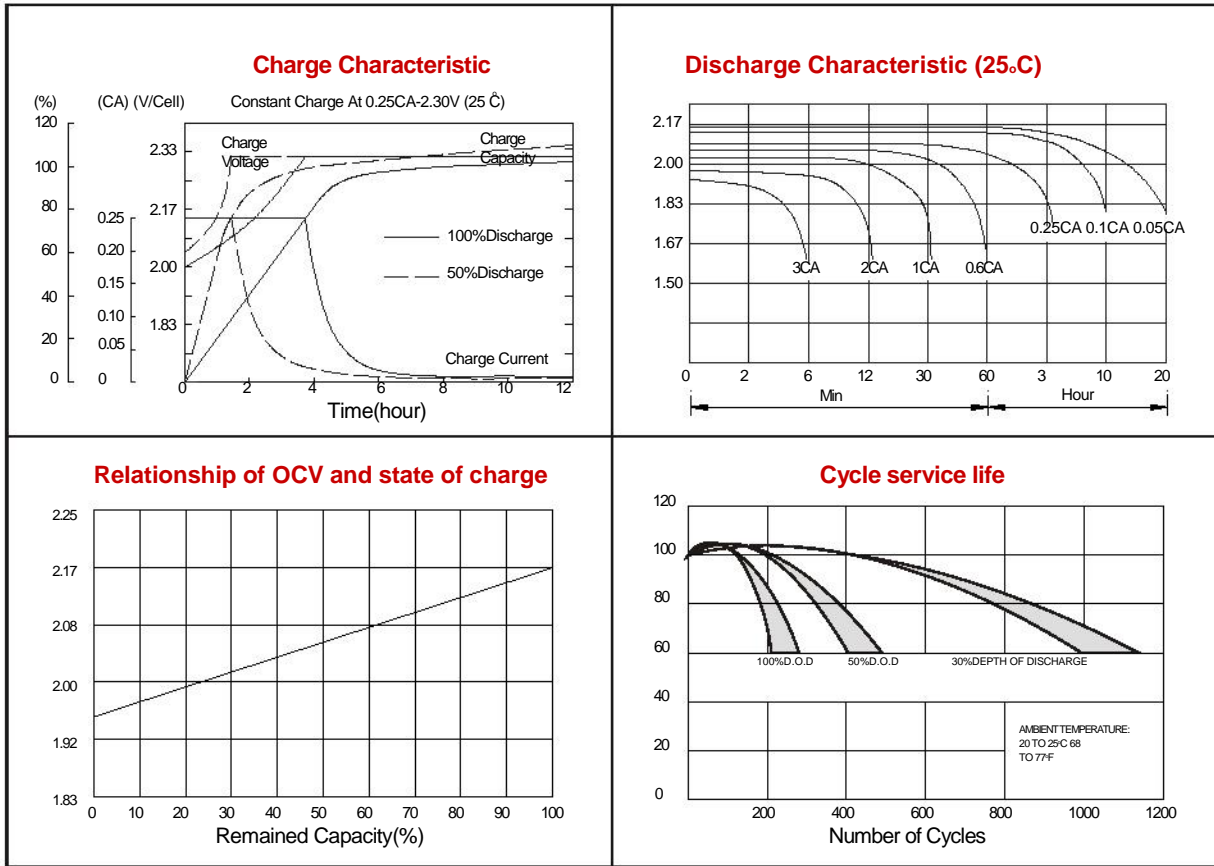
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



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



Battery Model	GF12-7E			
Designed Floating Life	5 Years			
Capacity(25.C)	20HR(0.30A,1.75V)	10HR(0.55A,1.75V)	5HR(0.95A,1.75V)	1HR(3.6A,1.75V)
	6.0Ah	5.50Ah	4.75Ah	3.6Ah
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	1.85Kg (4.07 lbs)			
Internal Resistance	Full charged at 25.C: 0.02 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: 2.0A		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	21.9	13.6	10.3	6.26	3.98	1.75	1.07	0.60	0.31
1.67V	20.5	12.9	9.88	5.99	3.93	1.68	1.05	0.59	0.30
1.70V	18.8	12.4	9.64	5.44	3.81	1.57	1.02	0.59	0.30
1.75V	18.4	12.1	9.33	5.17	3.63	1.52	1.00	0.58	0.29
1.80V	16.5	11.5	8.48	4.79	3.40	1.46	0.94	0.57	0.28
1.85V	14.6	11.0	7.62	4.41	3.17	1.40	0.88	0.57	0.27

Constant power discharge ratings-watts at 25.C

F . V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	38.4	24.6	18.7	11.3	7.18	3.10	1.80	1.19	0.63
1.67V	37.0	24.0	18.5	11.0	7.14	3.00	1.80	1.19	0.60
1.70V	34.9	23.7	18.4	10.3	7.00	2.87	1.77	1.18	0.60
1.75V	35.1	23.6	18.2	10.0	6.88	2.80	1.76	1.16	0.58
1.80V	32.1	23.3	16.9	9.57	6.49	2.72	1.70	1.15	0.57
1.85V	29.1	22.1	15.3	8.96	6.10	2.64	1.65	1.13	0.55