

GT-C RANGE

Gaston GT-C Range (deep cycle) battery is specially designed to have a large amount of stored current discharged between charging sessions, with heavy non-porous battery plate that is used a different chemistry for the plates active paste material, and a slightly stronger electrolyte than normal battery electrolyte. It enhance a superior performance of high power output and excellent deep cycle life for energy applications.



Application

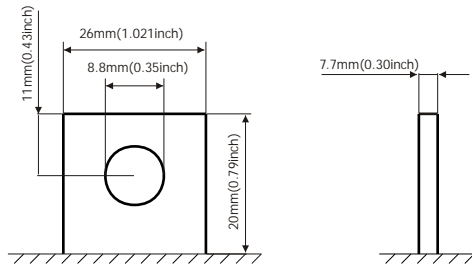
- Electric Powered Vehicles
- Golf Cars and Buggies
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS
- PVs

General Features

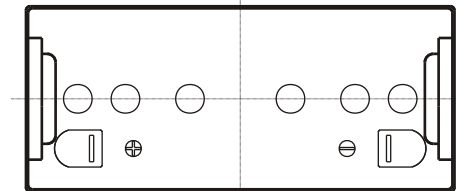
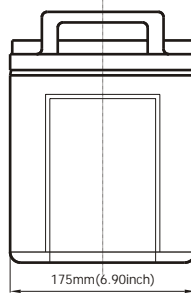
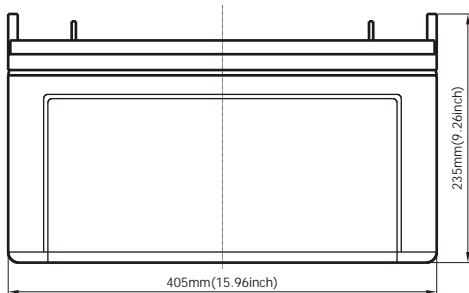
- Better discharge characteristics than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Construction

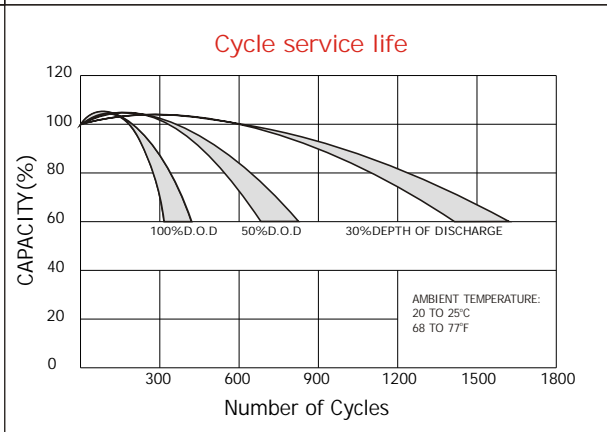
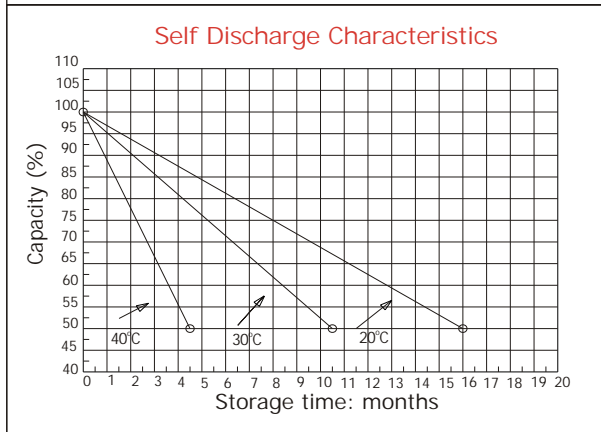
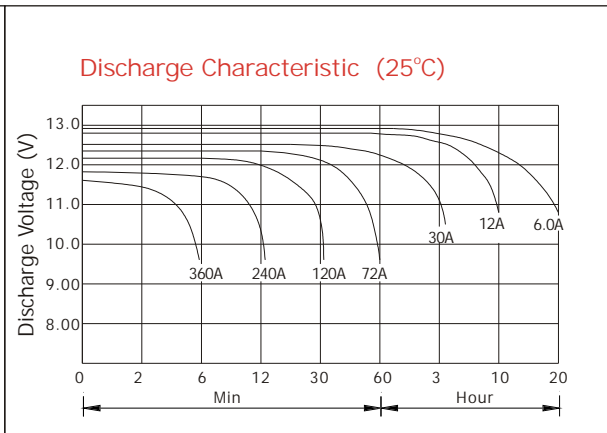
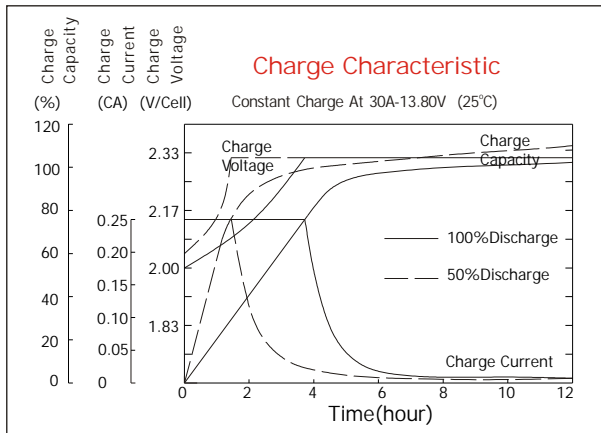
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalLead
- SeparatorFiber glass
- ElectrolyteSulfuric acid



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



Battery Model	GT12-120C			
Designed Cycle Life	> 350 cycles @ -0.5CA to 9.6V			
Capacity(25°C)	20HR(6.1A,1.75V)	10HR(12A,1.75V)	5HR(18A,1.75V)	1HR(69A,1.75V)
	122AH	120AH	90AH	69AH
Dimensions	Length	Width	Height	Total Height
	405mm(15.96inch)	175mm(6.90inch)	208mm(8.19inch)	235mm(9.26inch)
Approx. Weight	38.0Kg (83.8 lbs)			
Internal Resistance	Full charged at 25°C: 0.0045 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: 30A		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	526	327	247	151	86.7	38.1	23.3	12.7	6.85
1.67V	494	310	237	144	85.6	36.6	22.8	12.5	6.61
1.70V	452	299	232	131	83.0	34.2	22.3	12.5	6.50
1.75V	443	290	224	124	79.1	33.0	21.8	12.4	6.33
1.80V	397	277	204	115	74.0	31.7	20.5	12.2	6.16
1.85V	350	264	183	106	69.0	30.6	19.2	12.0	6.03

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	923	591	451	271	156	67.5	39.3	26.0	13.7
1.67V	890	576	445	266	156	65.4	39.1	25.9	13.2
1.70V	838	570	441	249	153	62.5	38.6	25.4	13.0
1.75V	844	568	438	241	150	61.0	38.3	25.1	12.7
1.80V	772	560	406	230	141	59.2	37.1	24.7	12.4
1.85V	700	531	368	215	133	57.4	35.9	24.3	12.2

