

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

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

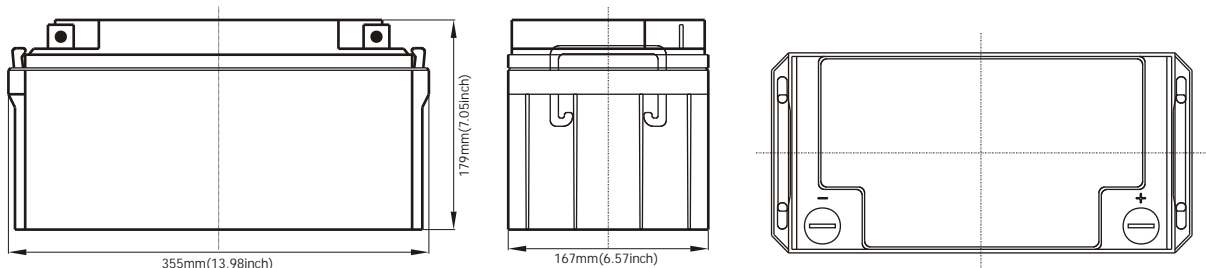
- Electric Powered Vehicles
- Golf Cars and Buggies
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS
- PVs

General Features

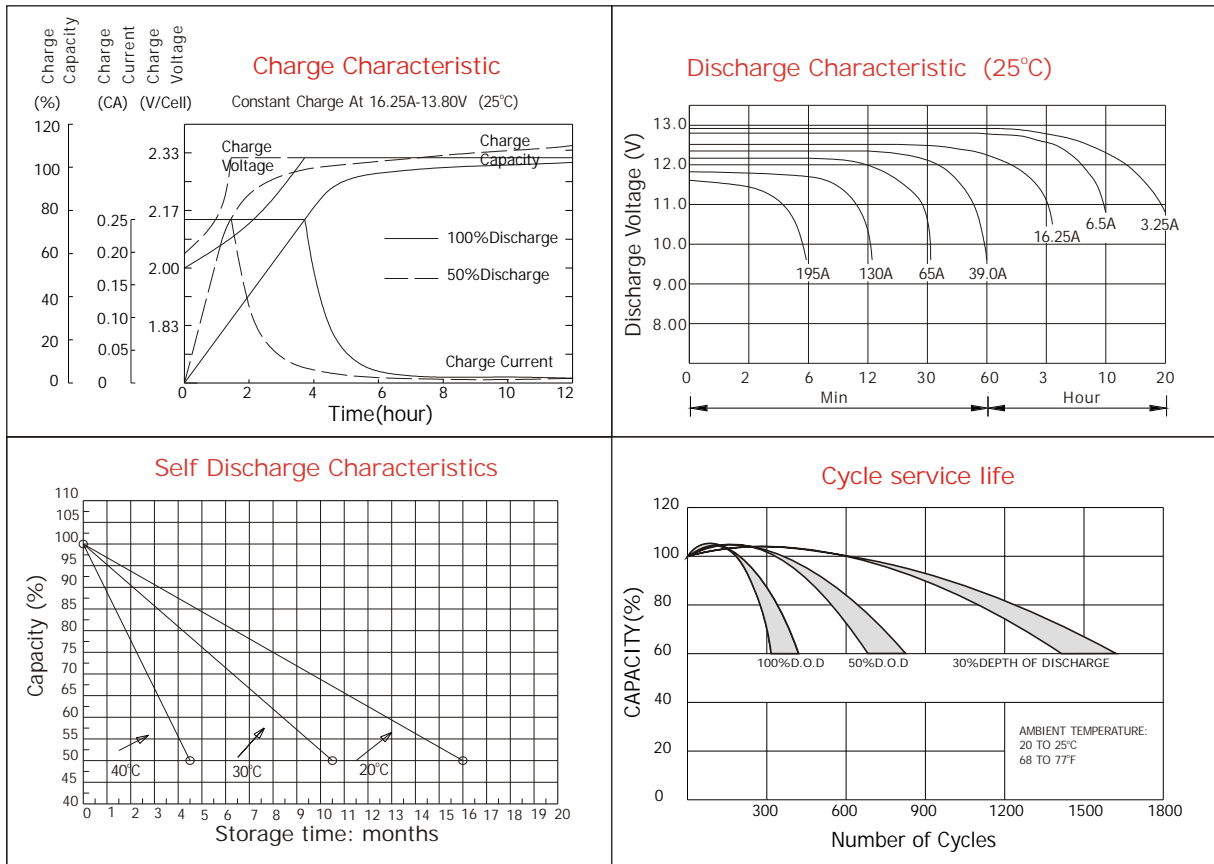
- Better discharge characteristics than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand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



Battery Model	GT12-65C			
Designed Cycle Life	> 350 cycles @ -0.5CA to 9.6V			
Capacity(25°C)	20HR(3.3A,1.75V)	10HR(6.5A,1.75V)	5HR(11A,1.75V)	1HR(40A,1.75V)
	66AH	65AH	55AH	40AH
Dimensions	Length	Width	Height	Total Height
	355mm(13.98inch)	167mm(6.58inch)	179mm(7.05inch)	183mm(7.21inch)
Approx. Weight	22.7Kg (50.05 lbs)			
Internal Resistance	Full charged at 25°C: 0.006 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: 16.3A		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	278	173	130	79.5	46.9	20.6	12.6	6.85	3.70
1.67V	261	164	125	76.0	46.3	19.8	12.3	6.79	3.57
1.70V	239	158	122	69.1	44.9	18.5	12.1	6.76	3.52
1.75V	234	153	118	65.7	42.8	17.9	11.8	6.74	3.43
1.80V	209	146	108	60.8	40.0	17.2	11.1	6.60	3.33
1.85V	185	139	96.8	56.0	37.3	16.5	10.4	6.51	3.26

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	487	312	238	143	84.7	36.5	21.3	13.9	7.28
1.67V	470	304	235	140	84.1	35.4	21.2	13.8	7.02
1.70V	443	301	233	131	82.5	33.8	20.9	13.7	6.93
1.75V	446	300	231	127	81.1	33.0	20.7	13.5	6.76
1.80V	408	296	214	121	76.5	32.0	20.1	13.3	6.67
1.85V	370	281	194	114	71.9	31.1	19.4	13.2	6.62

