

GT-M

Range batteries (Long Service Life) Series batteries utilizes thick grids of modern technology are adopted so as to guarantee the design life up to 15 years. Advanced micro porous absorbed glass matt separator - minimizes diffusion of oxygen into the separator, reducing float charge current which suppressed the corrosion rate of the positive grid and extends the life of the battery.

Application

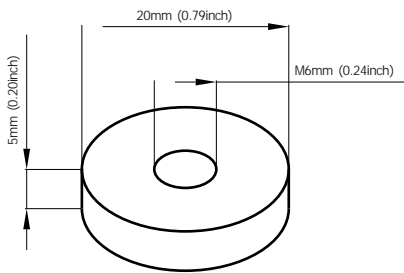
- Broadband
- Electric Powered Vehicles
- UPS
- Photovoltaic & Solar system
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- Golf Cars and Buggies
- Wheel Chairs

General Features

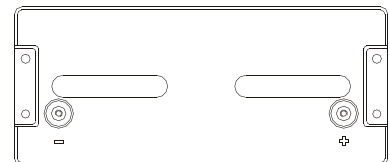
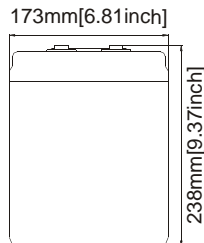
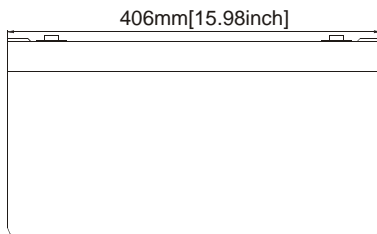
- Ideal for cyclic uses
- Good tolerance to higher temperature applications.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self discharge characteristic.
- Good tolerance to higher temperature applications.

Construction

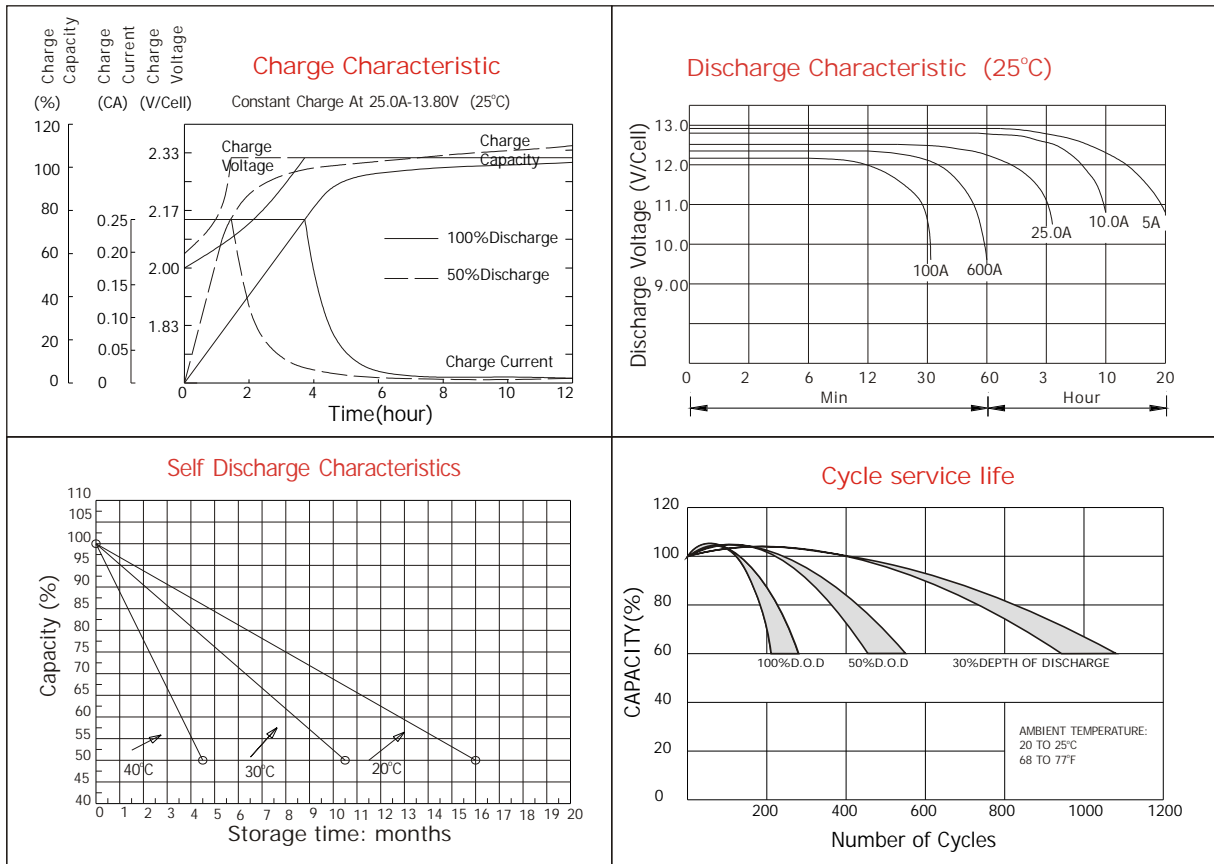
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalLead
- SeparatorAGM
- Electrolytesulfuric acid thixotropic Gel



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



Battery Model	GT12-100M			
Designed Life	10-12 Years (Floating)			
Capacity(25°C)	20HR(5.1A,1.75V)	10HR(10.0A,1.75V)	5HR(18.2A,1.75V)	1HR(58A,1.75V)
	102AH	100AH	91AH	58AH
Dimensions	Length	Width	Height	Total Height
	406mm(15.98inch)	173mm(6.81inch)	218mm(8.58inch)	218mm(8.58inch)
Approx. Weight	36Kg (79.2 lbs)			
Internal Resistance	Full charged at 25°C: 0.0049 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: 25A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	335	172	103	61	27.9	18.4	12.7	10.3	5.3
1.67V	305	162	101	61	27.6	18.3	12.6	10.2	5.2
1.70V	295	158	100	60	27.5	18.2	12.5	10.1	5.2
1.75V	266	150	98	58	27.2	18.2	12.4	10.0	5.1
1.80V	240	142	95	55	27.0	18.0	12.2	9.8	5.0
1.85V	212	132	90	50	24.0	17.0	11.7	9.5	4.95

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	453	265	172	100	47.5	32.8	22.8	19.2	10.8
1.67V	449	263	172	99	47.4	32.8	22.8	19.2	10.8
1.70V	447	262	172	99	47.3	32.8	22.8	19.2	10.8
1.75V	442	260	171	99	47.0	32.7	22.8	19.2	10.8
1.80V	432	256	170	98	46.7	32.5	22.7	19.0	10.7
1.85V	329	246	164	93	44.8	31.7	22.0	18.7	10.3

