



AGM and Gel

Range batteries uses the advanced GEL design which combines the best features of AGM and GEL construction into one battery line, and the purity fumed silica to form sulfuric acid thixotropic Gel and fills to the batteries with vacuum to ensure the fully penetration of electrolyte through separators and plates pastes.

This range battery are designed to meet the requirement of frequent cyclic and high temperature application such as boardband, PVs etc.

Application

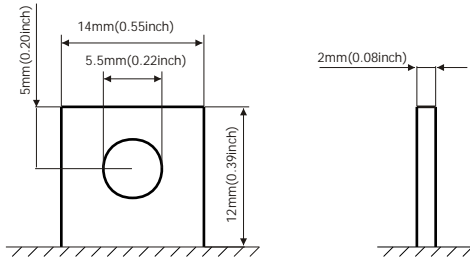
- Broadband
- Electric Powered Vehicles
- UPS
- Photovoltaic & solar system
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- Golf Cars and Buggies
- Wheel Chairs

General Features

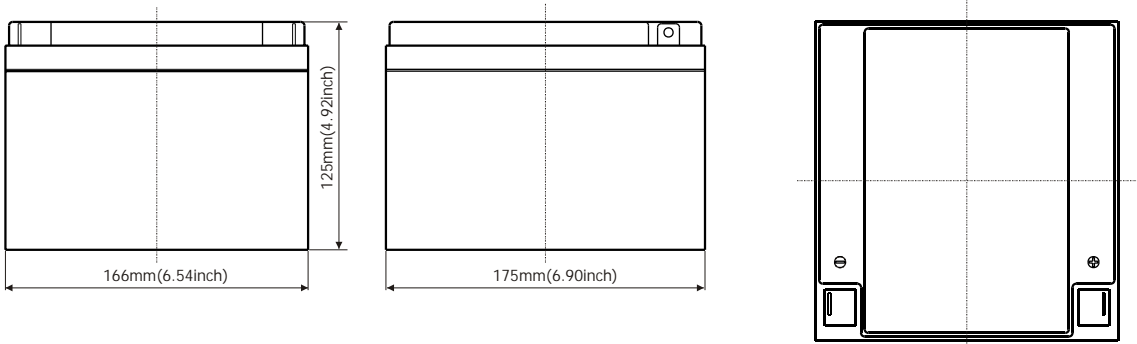
- Ideal for cyclic uses
- Good tolerance to higher temperature applications.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications.
- Low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

Construction

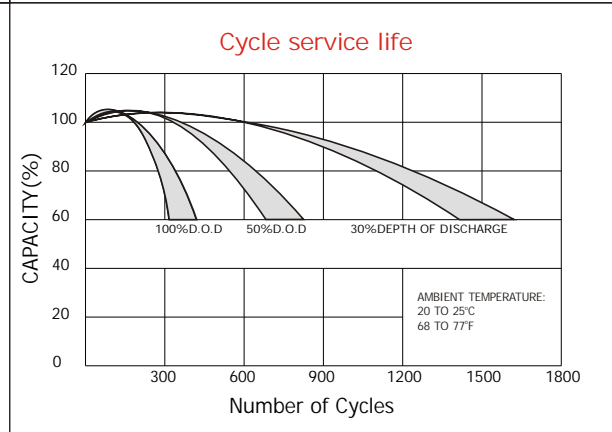
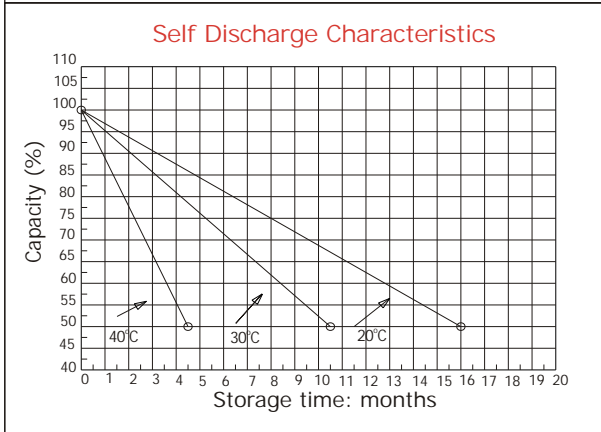
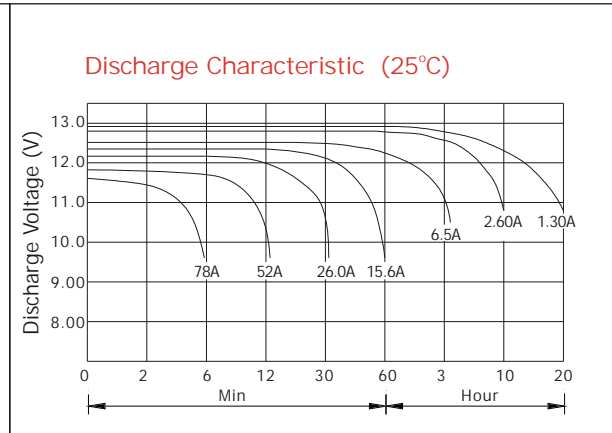
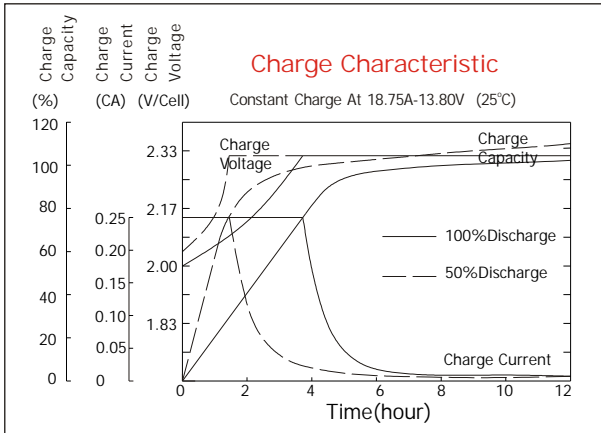
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorAGM
- Electrolytesulfuric acid thixotropic Gel



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



Battery Model	GT12-26AG			
Designed Cycle Life	10 Years (Floating) or > 750 Cycles @ 50% D.O.D			
Capacity(25°C)	20HR(1.4A,1.75V)	10HR(2.6A,1.75V)	5HR(4.2A,1.75V)	1HR(17.4A,1.75V)
	28AH	26AH	21AH	17.4AH
Dimensions	Length	Width	Height	Total Height
	175mm(6.89inch)	166mm(6.54inch)	125mm(4.92inch)	125mm(4.92inch)
Approx. Weight	8.9Kg (19.60 lbs)			
Internal Resistance	Full charged at 25°C: 0.012 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: 6.5A		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	118	73.5	55.5	33.8	19.9	8.74	5.34	2.91	1.57
1.67V	111	69.7	53.4	32.4	19.6	8.40	5.23	2.88	1.52
1.70V	102	67.2	52.1	29.4	19.0	7.84	5.11	2.87	1.49
1.75V	99.6	65.1	50.4	27.9	18.1	7.58	5.00	2.86	1.45
1.80V	89.1	62.2	45.8	25.9	17.0	7.28	4.70	2.80	1.41
1.85V	78.7	59.2	41.2	23.8	15.8	7.02	4.41	2.76	1.38

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	207	133	101	60.9	35.9	15.5	9.02	5.97	3.14
1.67V	200	129	100	59.7	35.7	15.0	8.98	5.94	3.02
1.70V	188	128	99.2	55.9	35.0	14.3	8.87	5.90	2.99
1.75V	190	128	98.3	54.2	34.4	14.0	8.79	5.74	2.91
1.80V	173	126	91.2	51.7	32.4	13.6	8.52	5.62	2.82
1.85V	157	119	82.7	48.4	30.5	13.2	8.24	5.54	2.73

