GT -FAG Range

GT12-180FAG 12V180Ah/C10

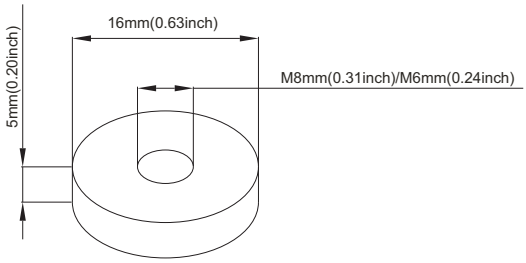
FAG（AGM and Gel） Range uses the advanced GEL design, which combines the best features of both AGM and GEL construction into one battery line, and the purity fumed silica to form sulfuric acid thixotropic Gel, and fills the batteries with vacuum to ensure complete penetration electrolyte through separators and plates pastes.
Extends service life to 12 years for normal standy and float service applications offering high reliability and delivering superior performance while occupying less space and increaseing energy density, and its total front access facilitates easy maintenance and installation.

Applications

- Telecom
- Control Equipment
- Railroad Signal
- Communication Equipment
- Medical Equipment
- Emergency Power System

General Features

- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation in relay rack trays
- High quality and high reliability
- Exceptional deep discharge recovery performance
- Flexibility design for multiple install positions

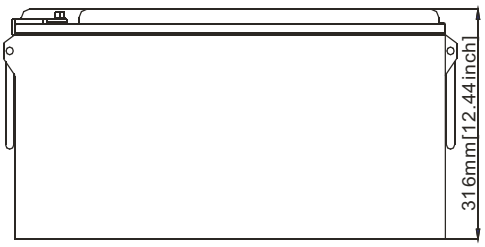


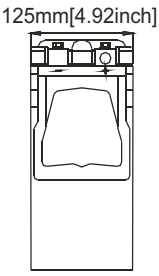
Construction

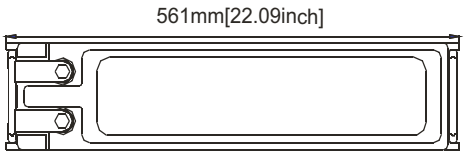
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid

Standard Terminal Dimensions

(Optional terminal please check terminal information page)







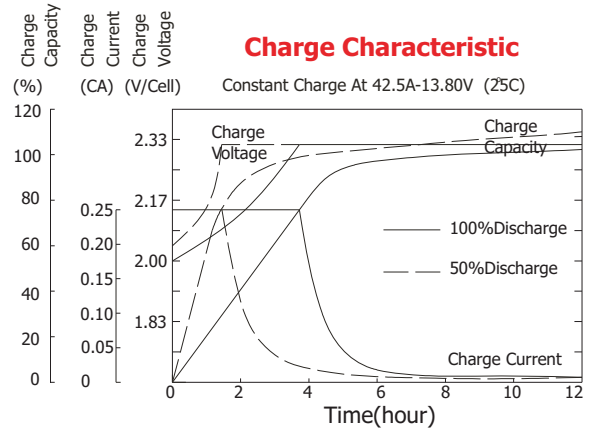
Battery Model	GT12-180FAG			
Designed Floating Life	12 Years			
Capacity(25℃)	20HR(9.5A,1.75V)	10HR(18.0A,1.75V)	5HR(30.6A,1.75V)	1HR(108A,1.75V)
	190Ah	180Ah	153Ah	108Ah
Dimensions	Length	Width	Height	Total Height
	561mm(22.09inch)	125mm(4.92inch)	316mm(12.44inch)	316mm(12.44inch)
Approx. Weight	53.0Kg (116.6 lbs)			
Internal Resistance	Full charged at 25℃ :0.00371 Ohm			
Self Discharge	3% of capacity declined per month at (25℃)			
Capacity Affected by Temp.(20HR)	40℃	25℃	0℃	-15℃
	105%	100%	85%	68%
Charge Voltage(25℃)	Cycle use		Float use	
	14.1-14.4V(-30mV/℃), max. Current: 54.00A		13.3-13.5(-20mV/℃)	

GasTon™ BATTERY

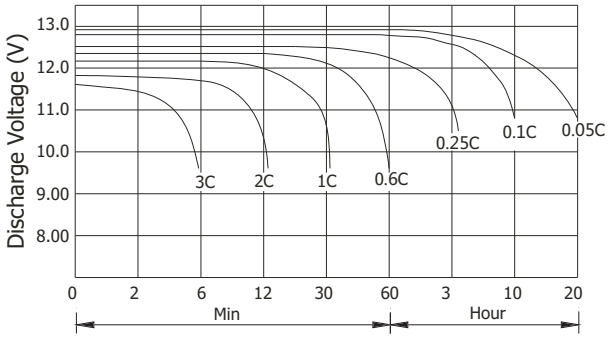
GT -FAG Range

GT12-180FAG 12V180Ah/C10

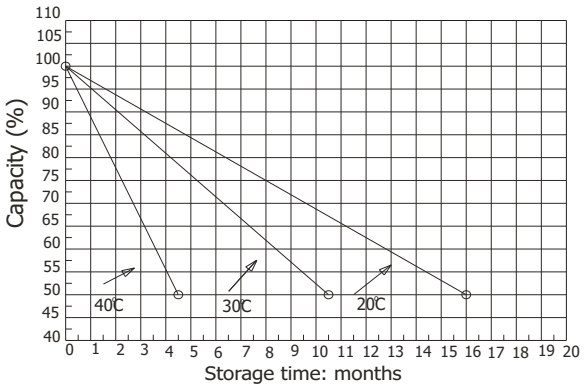
Charge Characteristic



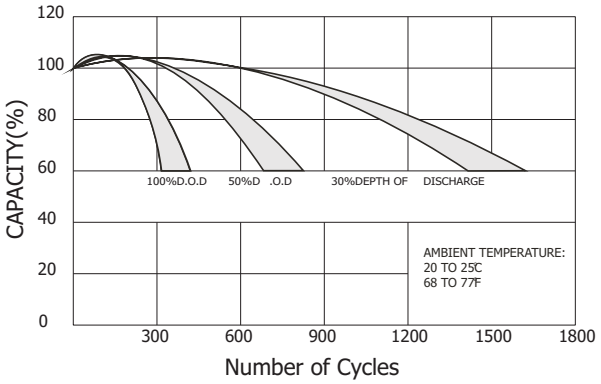
Discharge Characteristic (25C)



Self Discharge Characteristics



Cycle service life



Constant current discharge ratings-amperes at 25C

End voltage per cell	5MIN	15MIN	30MIN	45MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	12HR	20HR	24HR
1.60V	504	316	208	153	125	72.4	51.3	40.5	34.4	29.1	23.0	18.5	15.9	9.95	8.26
1.67V	472	311	205	153	124	71.7	51.1	40.5	34.2	28.8	22.8	18.4	15.8	9.85	8.19
1.70V	455	305	202	152	123	71.4	50.9	40.4	34.1	28.7	22.7	18.3	15.7	9.76	8.15
1.75V	432	292	194	149	122	70.8	50.6	40.2	33.9	28.4	22.5	18.1	15.6	9.66	8.08
1.80V	388	268	183	142	118	69.3	49.8	39.8	33.3	27.9	22.4	18.0	15.5	9.66	8.04
1.83V	354	251	174	136	116	67.5	48.9	39.3	32.6	27.2	22.1	17.9	15.4	9.57	8.00
1.85V	336	239	170	131	113	65.7	48.0	38.8	32.1	26.9	21.8	17.8	15.3	9.57	7.95

Constant power discharge ratings-watts at 25C

End voltage per cell	5MIN	15MIN	30MIN	45MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	12HR	20HR	24HR
1.60V	879	584	374	300	255	151	107	83.5	70.3	59.8	45.9	39.4	34.1	20.9	17.4
1.67V	831	568	371	298	254	151	107	83.2	70.0	59.6	45.8	39.3	34.0	20.7	17.3
1.70V	801	557	369	297	253	150	106	83.0	69.7	59.5	45.7	39.3	33.9	20.6	17.3
1.75V	740	536	362	293	249	149	106	82.5	69.3	59.2	45.4	39.2	33.8	20.4	17.2
1.80V	680	507	351	284	243	146	104	81.5	68.3	58.7	45.1	39.0	33.6	20.1	17.2
1.83V	660	480	340	276	236	142	102	80.5	67.3	58.1	44.9	38.7	33.4	19.9	17.1
1.85V	647	458	333	270	231	139	99.5	79.5	66.1	57.4	44.6	38.6	33.2	19.6	17.1