



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 of electrolyte through separators and plates pastes.

Extends service life to 12 years for normal standby and float service applications, offering high reliability and delivering superior performance while occupying less space and increasing energy density, and its total front access facilitates easy maintenance and installation.

Applications

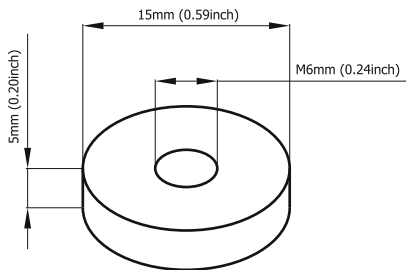
- Telecom
- Control Equipment
- Railroad Signal
- Communication Equipment
- Medical Equipment
- Electric Utility/Switchgear

General Features

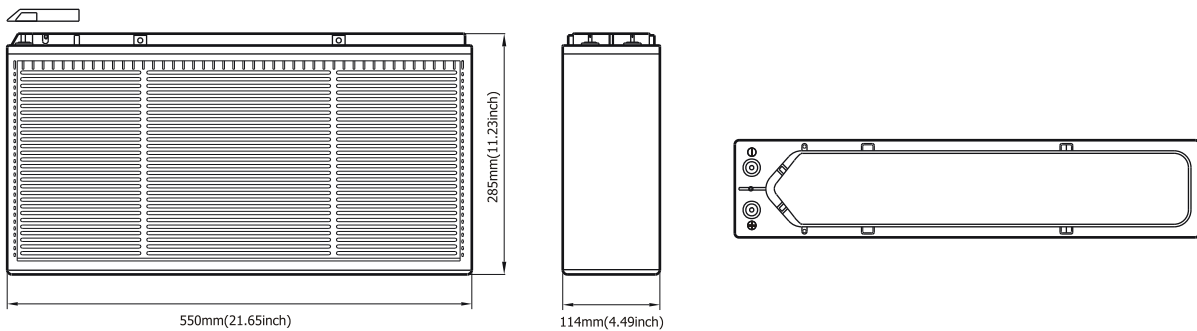
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

Construction

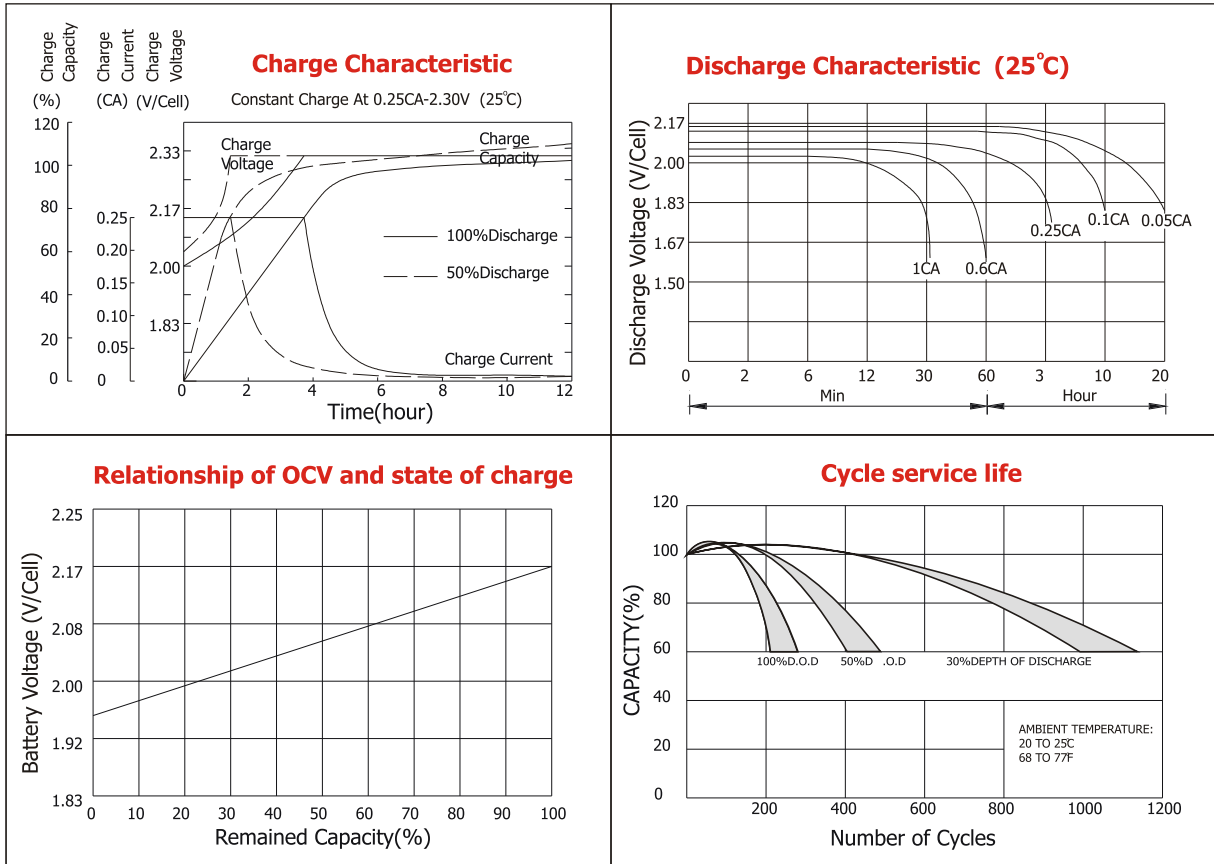
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	GT 12-160FAG			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(8.4A,1.75V)	10HR(16A,1.75V)	5HR(28A,1.75V)	1HR(104A,1.75V)
	168Ah	160Ah	140Ah	104Ah
Dimensions	Length	Width	Height	Total Height
	550mm(21.65inch)	109mm(4.30inch)	288mm(11.30inch)	288mm(11.30inch)
Approx. Weight	49.0Kg (111.5 lbs)			
Internal Resistance	Full charged at 25°C: 0.035 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: 40A		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	551	378	276	166	106	43.7	30.5	16.9	8.4
1.67V	497	345	268	161	105	43.5	30.3	16.7	8.4
1.70V	471	333	258	158	105	43.5	30.3	16.5	8.4
1.75V	419	308	245	154	104	43.2	30.1	16.3	8.4
1.80V	378	286	233	150	103	43.1	29.7	16.0	8.1
1.85V	287	235	202	138	102	42.9	29.5	15.7	7.9

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	909	627	488	312	208	83.8	58.4	33.9	16.8
1.67V	862	620	484	306	201	83.8	58.4	33.4	16.8
1.70V	805	604	476	298	196	83.8	58.4	33.2	16.8
1.75V	750	564	447	290	194	82.5	57.8	32.6	16.7
1.80V	673	525	421	282	191	81.4	56.8	32.0	16.1
1.85V	539	435	368	258	189	81.1	56.0	31.4	15.9

