

Terminal Dimensions

### GT-F(Front Terminal GEL type)

Range is recognised worldwide as the premium battery for telecommunications/IT applications. GT-FG range's reputation for 12 year long service life, combined with excellent high rate performance, makes it the number one choice for high integrity, high specification UPS systems.

GT-FG front terminal monoblock's compact design and standard footprint, suitable for 19", 21", 23" and ETSI racking, give users the benefit of increased energy density. With all electrical connectors at the front, installation and inspection are simpler and quicker.

### Applications

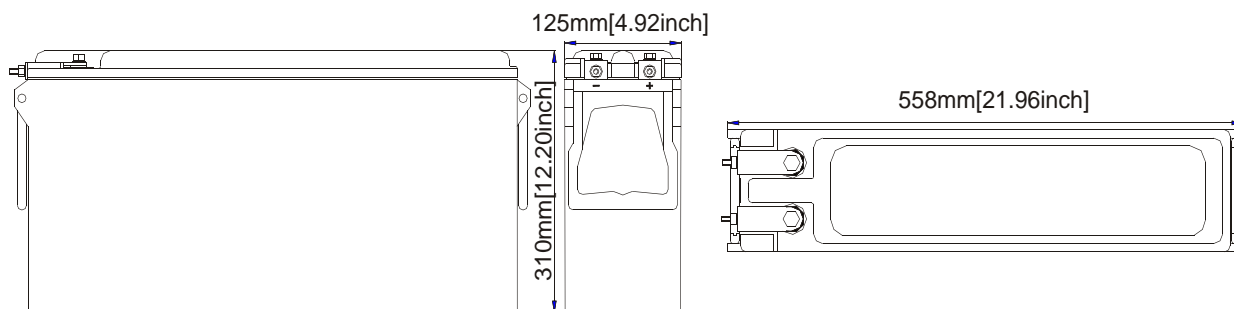
- Telecom
- Control Equipment
- UPS
- Communication Equipment
- Medical Equipment
- Emergency Power System

### General Features

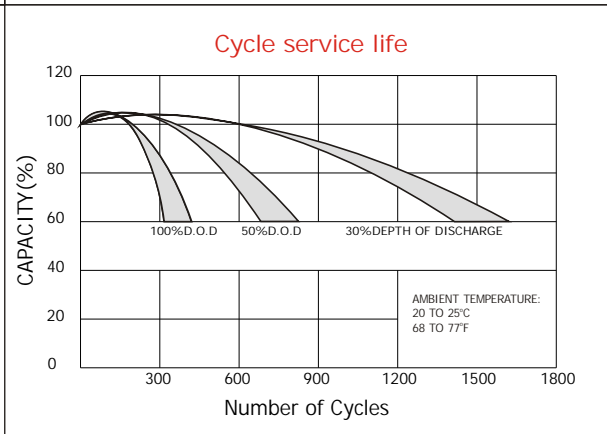
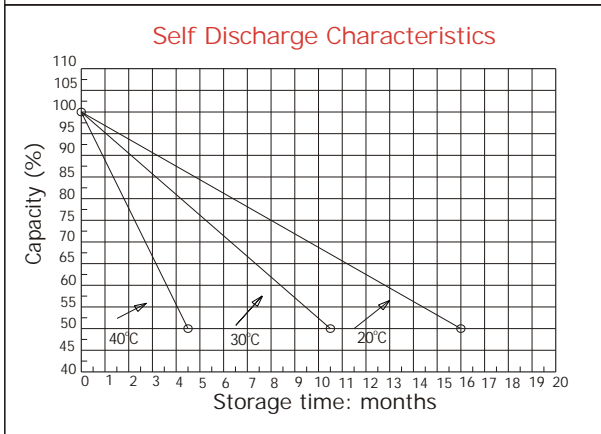
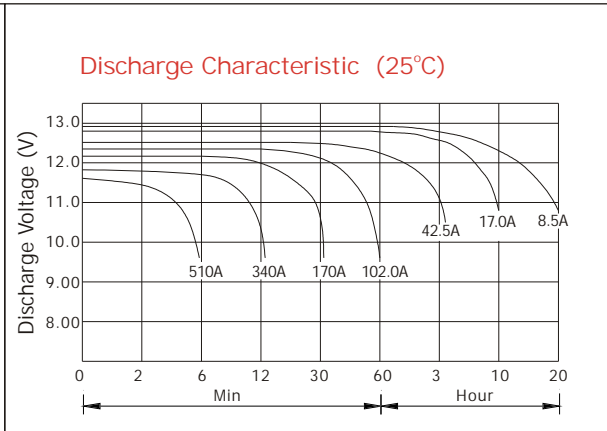
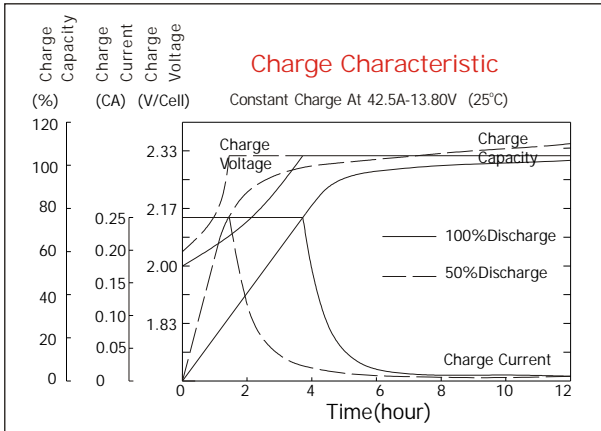
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation 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



Battery Model	GT12-170FG			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(9.25A,1.75V)	10HR(17.0A,1.75V)	5HR(31.6A,1.75V)	1HR(85A,1.75V)
	185Ah	170Ah	158Ah	125Ah
Dimensions	Length	Width	Height	Total Height
	558mm(21.96inch)	125mm(4.92inch)	310mm(12.20inch)	310mm(12.20inch)
Approx. Weight	59.0Kg (129.8 lbs)			
Internal Resistance	Full charged at 25°C :0.00371 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
	105%	100%	85%	68%
Charge Voltage(25°C)	Cycle use		Float use	
	14.1-14.4V(-30mV/ °C), max. Current: 51.00A		13.38-13.5(-20mV/ °C)	



**Constant current discharge ratings-amperes at 25°C**

F.V/Time	5MN	15MN	30MN	1-H	2-R	3-R	4-R	5-R	6-R	8-R	10-R	12-R	20-R	24-R
1.60V	552	285	204	120	74.4	52.1	39.5	32.2	28.4	22.1	18.1	15.3	9.46	7.95
1.65V	543	277	201	129	74.2	52.0	39.4	32.1	28.4	21.9	18.1	15.1	9.44	7.95
1.70V	525	269	197	127	74.0	51.0	39.0	31.9	28.0	21.7	17.7	14.8	9.40	7.87
1.75V	503	260	190	125.0	71.7	50.0	38.1	31.7	27.7	21.5	17.3	14.5	9.32	7.83
1.80V	461	245	181	120.0	70.7	48.3	37.0	31.3	26.5	20.9	17.0	14.4	9.15	7.64
1.85V	406	218	163	111	69.0	47.5	36.0	29.9	26.4	20.8	16.8	14.3	8.79	7.35
1.90V	355	198	145	94	64.2	41.0	33.1	28.1	24.9	18.9	15.3	14.1	8.49	7.12

**Constant power discharge ratings-watts at 25°C**

F.V/Time	5MN	15MN	30MN	1-H	2-R	3-R	4-R	5-R	6-R	8-R	10-R	12-R	20-R	24-R
1.60V	770	451	298	174	118	86.4	69.3	59.0	49.4	40.7	32.5	28.2	17.8	16.5
1.65V	766	449	296	172	117	85.8	68.7	58.4	49.0	40.5	32.4	28.0	17.6	16.3
1.70V	761	447	294	171	116	85.2	68.2	58.0	48.6	40.1	32.0	27.4	17.4	16.1
1.75V	752	443	292	169	115	84.5	67.7	57.7	48.2	39.5	31.8	27.1	17.2	15.7
1.80V	735	435	289	167	113	83.5	67.0	57.1	47.8	39.2	31.6	26.9	17.1	15.4
1.85V	668	419	280	158	108	80.1	64.9	55.8	47.1	38.4	30.8	26.5	16.7	14.6
1.90V	547	386	261	141	99	73.3	59.1	50.5	45.2	36.3	29.0	25.9	16.3	14.0