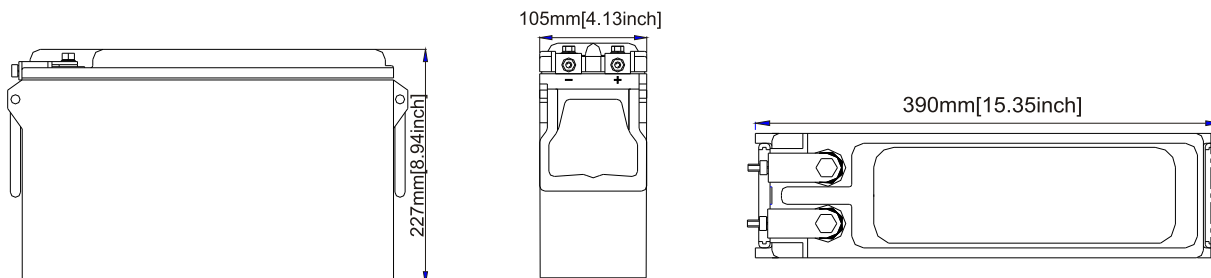


**Terminal Dimensions**



### GT-F Range

(Front Terminal) is recognised worldwide as the premium battery for telecommunications/IT applications. GT-F range reputation for long service life, combined with excellent high rate performance, also it the number one choice for high integrity, high specification UPS systems. GT-F front terminal monoblock's compact design and standard footprint, suitable for 19", 21" 23" ans ETSI racking, give users the benefit of increased energy density, with all electrical connector at the front, installation and inspection are simpler and quicker

### Application

Telecom	Communication Equipment
Control Equipment	Medical Equipment
UPS	Emergency Power System

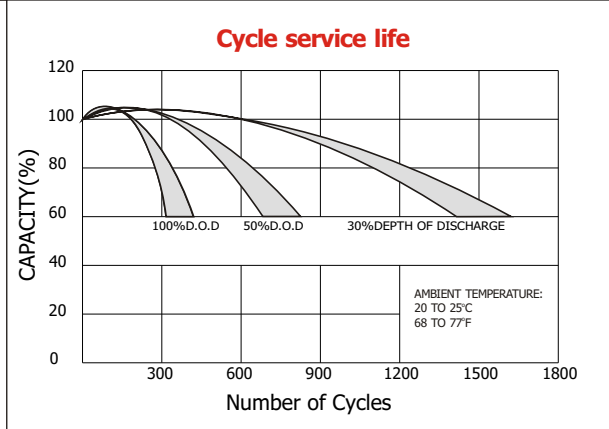
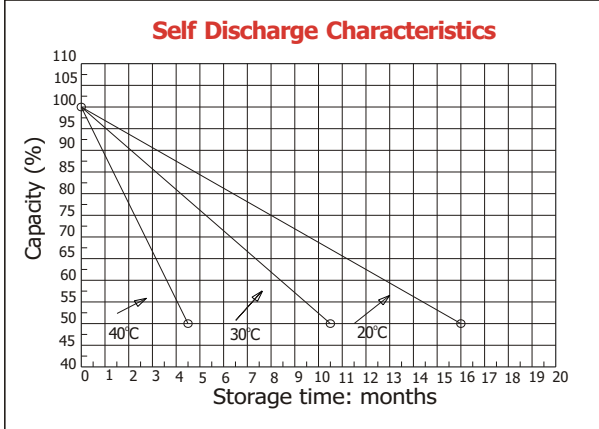
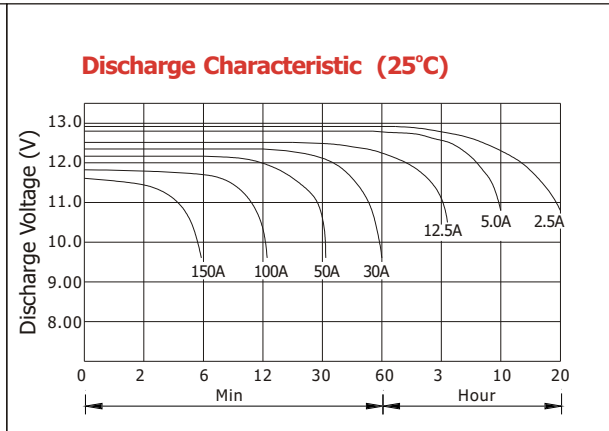
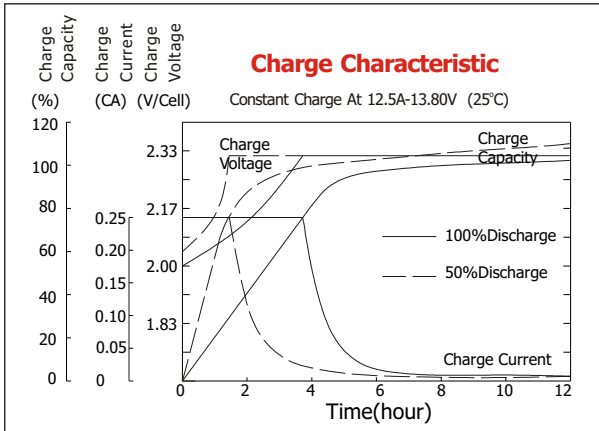
### General Features

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

Battery Model	GT12-50F			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(2.80A,1.75V)	10HR(5.2A,1.75V)	5HR(9.2A,1.75V)	1HR(30A,1.75V)
	56AH	52AH	46AH	30AH
Dimensions	Length	Width	Height	Total Height
	390mm(11.36inch)	105mm(4.13inch)	227mm(8.94inch)	270mm(8.94inch)
Approx. Weight	21.5Kg (47.3 lbs)			
Internal Resistance	Full charged at 25°C :0.00832 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	
	14.4-14.8V(-30mV/ °C), max. Current: 12.50A		13.6-13.8(-20mV/ °C)	



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

F. V/Time	5MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	175	88	55	33	14.0	10.0	6.5	5.5	2.85
1.67V	155	83	52	32	13.3	9.6	6.5	5.4	2.88
1.70V	149	81	51	31	13.0	9.5	6.4	5.3	2.85
1.75V	133	75	49	30	12.5	9.2	6.3	5.2	2.80
1.80V	120	71	48	28	12.0	9.0	6.0	5.0	2.72
1.85V	106	67	45	25	11.5	8.8	5.7	4.8	2.65

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

F. V/Time	5MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	280	140	88	55	23.1	17.1	11.8	9.9	5.1
1.67V	260	138	87	55	22.6	16.8	11.4	9.6	4.9
1.70V	254	138	86	54	22.4	16.7	11.3	9.5	4.8
1.75V	237	134	86	53	22.3	16.4	11.1	9.3	4.7
1.80V	216	128	86	50	21.6	16.3	10.8	9.0	4.5
1.85V	196	123	83	46	21.3	16.1	10.6	8.8	4.3

