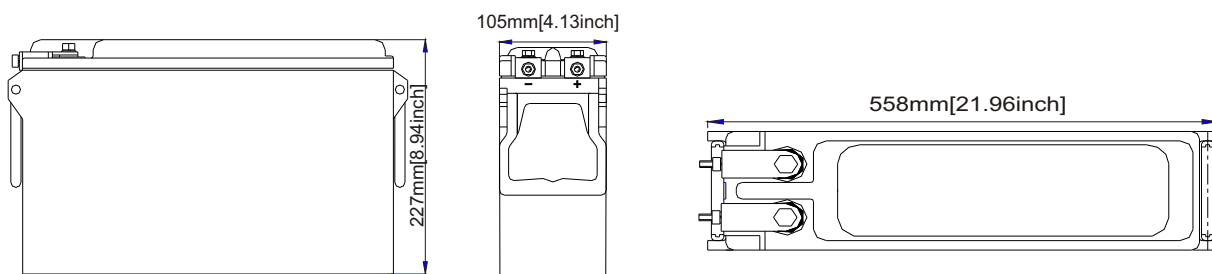


Terminal Dimensions



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

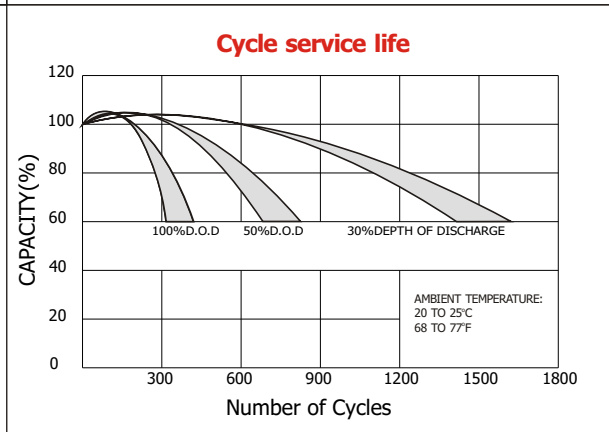
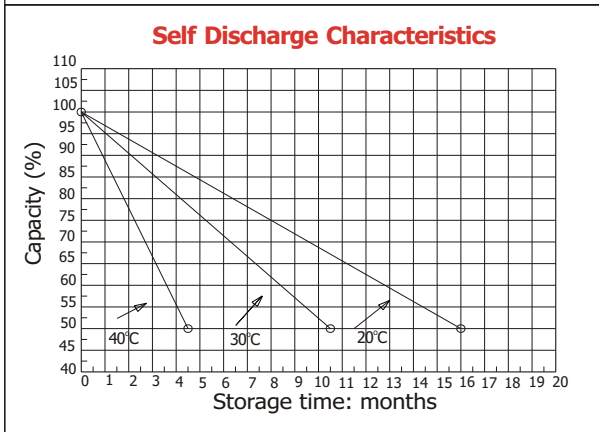
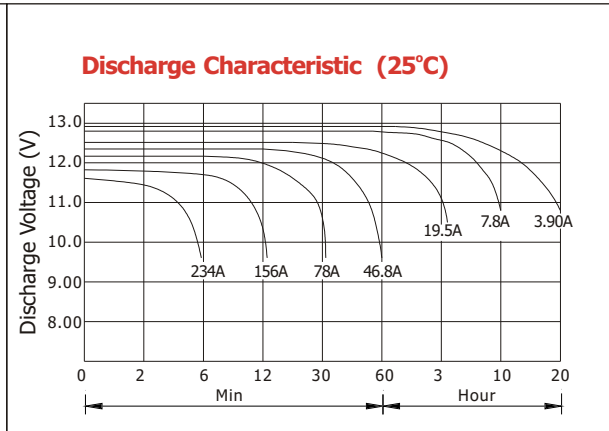
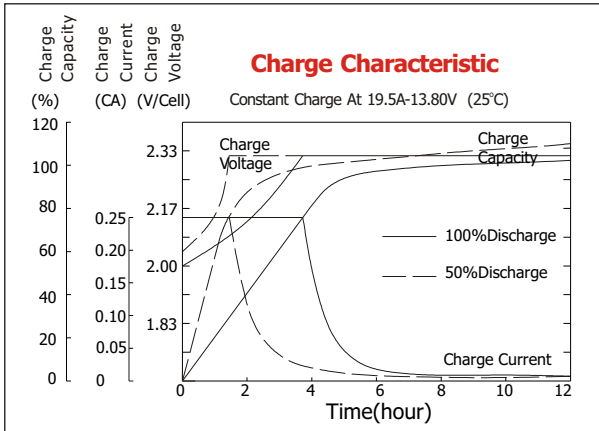
General Features

- 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	GT12-75F			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(4.00A,1.75V)	10HR(7.8A,1.75V)	5HR(13.8A,1.75V)	1HR(45A,1.75V)
	80AH	78AH	69AH	45AH
Dimensions	Length	Width	Height	Total Height
	558mm(21.97inch)	105mm(4.13inch)	227mm(8.94inch)	227mm(8.94inch)
Approx. Weight	31Kg (68.2 lbs)			
Internal Resistance	Full charged at 25°C :0.00533 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: 19.5A		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	262	131	83	48	21.0	15.0	9.7	8.2	4.20
1.67V	232	124	78	47	19.9	14.4	9.6	8.1	4.13
1.70V	223	122	76	47	19.5	14.2	9.5	8.0	4.10
1.75V	199	112	73	45	18.7	13.8	9.3	7.8	4.00
1.80V	180	106	71	41	18.0	13.5	9.0	7.5	3.90
1.85V	159	100	68	38	17.2	13.2	8.6	7.2	3.70

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	420	210	132	83	34.6	25.6	17.8	14.9	7.7
1.67V	390	207	130	82	33.8	25.2	17.1	14.4	7.4
1.70V	381	207	129	81	33.6	25.0	16.9	14.3	7.3
1.75V	355	200	128	80	33.4	24.6	16.6	14.0	7.0
1.80V	324	192	128	74	32.4	24.4	16.3	13.5	6.8
1.85V	306	187	126	71	32.0	24.3	16.0	13.3	6.6

