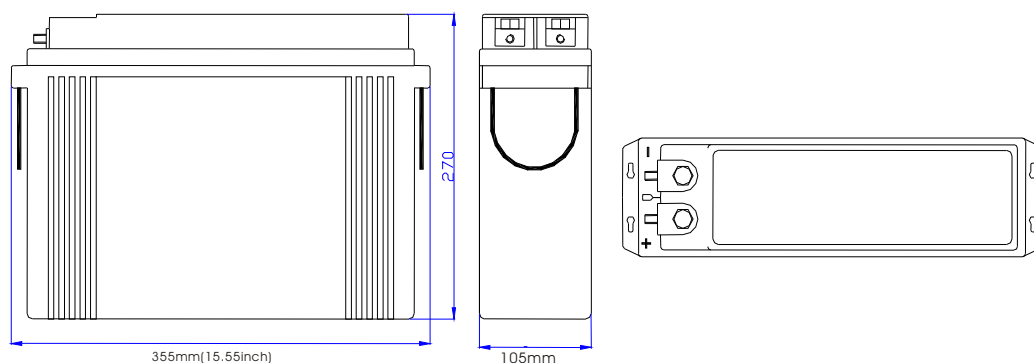


Terminal Dimensions



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 |

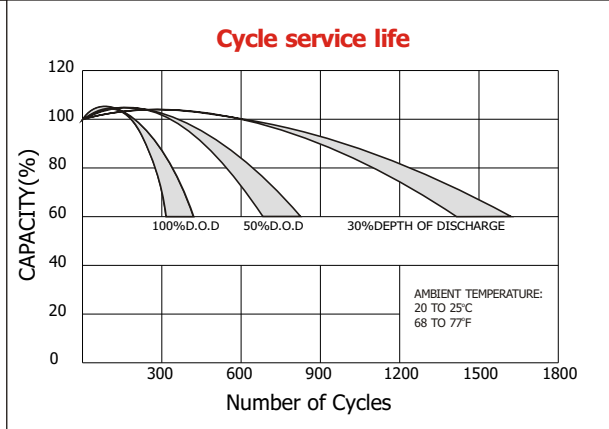
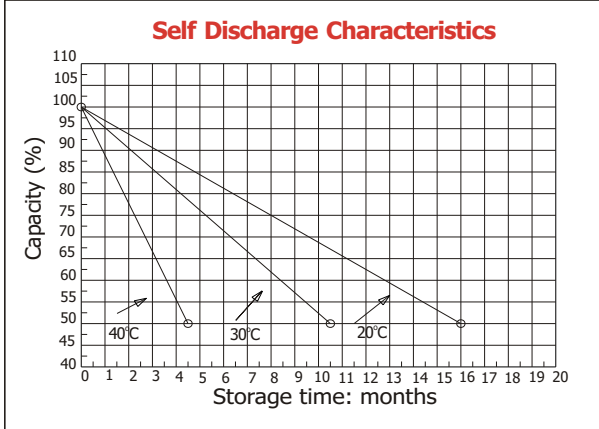
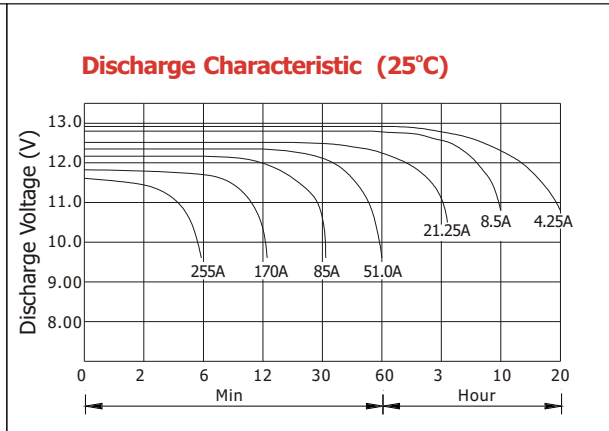
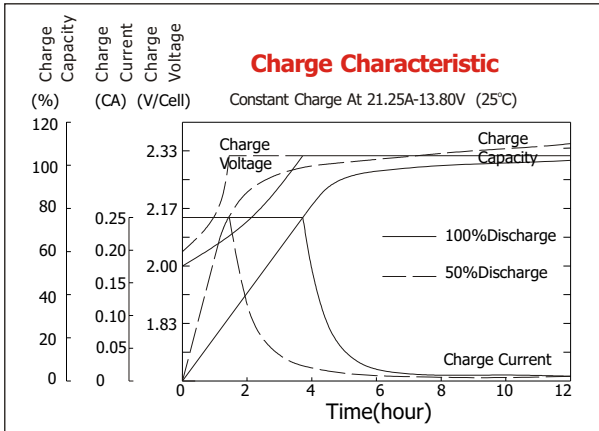
General Features

- 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	GT12-85F			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(4.37A,1.75V)	10HR(8.63A,1.75V)	5HR(15.7A,1.75V)	1HR(54.9A,1.75V)
	87.4AH	86.3AH	78.5AH	54.9AH
Dimensions	Length	Width	Height	Total Height
	395mm(15.55inch)	105mm(4.13inch)	270mm(10.63inch)	270mm(10.63inch)
Approx. Weight	31.00Kg (68.2 lbs)			
Internal Resistance	Full charged at 25°C :0.005 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: 21.25A		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	321	164	97.8	58.7	24.8	15.9	11.0	8.94	4.47
1.67V	292	155	96.1	51.0	24.8	15.8	10.9	8.79	4.47
1.70V	283	152	95.5	56.4	24.7	15.7	10.8	8.74	4.47
1.75V	255	144	93.2	54.9	24.4	15.7	10.7	8.63	4.37
1.80V	230	136	90.9	52.9	24.3	15.6	10.6	8.50	4.37
1.85V	202	127	48.3	48.3	21.6	14.6	10.1	8.32	4.16

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	15MIN	30MIN	1HR	3HR	5HR	8HR	10HR	20HR
1.60V	490	287	187	108	47.4	41.1	19.2	16.0	12.6
1.67V	486	284	186	108	47.4	41.1	19.2	16.0	12.6
1.70V	484	283	186	108	47.4	41.1	19.2	16.0	12.6
1.75V	478	282	185	107	46.8	41.0	19.0	15.9	12.6
1.80V	468	276	183	106	46.6	40.7	18.8	15.8	12.5
1.85V	425	265	177	100	44.9	39.8	18.3	15.5	12.0

