

GT-F(Front Terminal)

Range is recognised worldwide as the premium battery for telecommunications/IT applications. GT-F 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-F 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

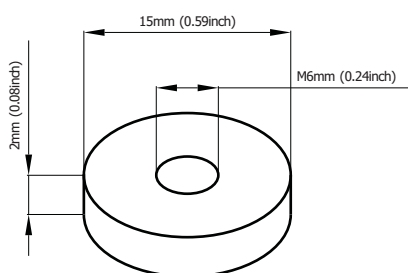
- Telecom
- Control Equipment
- UPS
- Communication Equipment
- Medical Equipment
- Emergency Power System

General Features

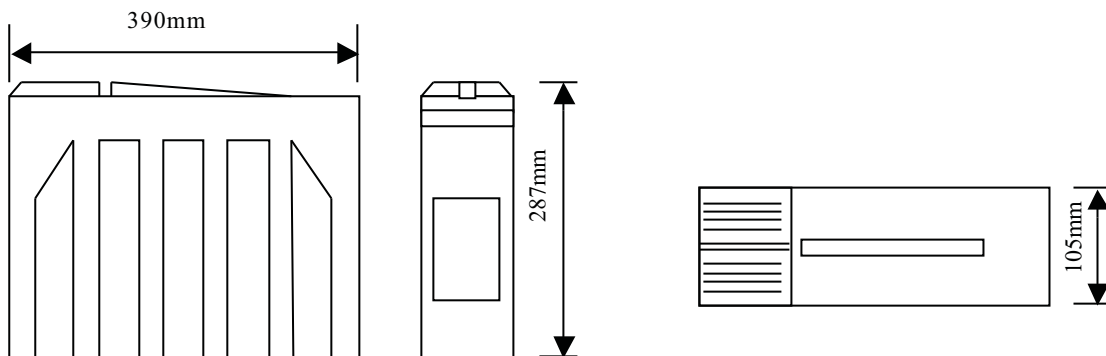
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation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

Construction

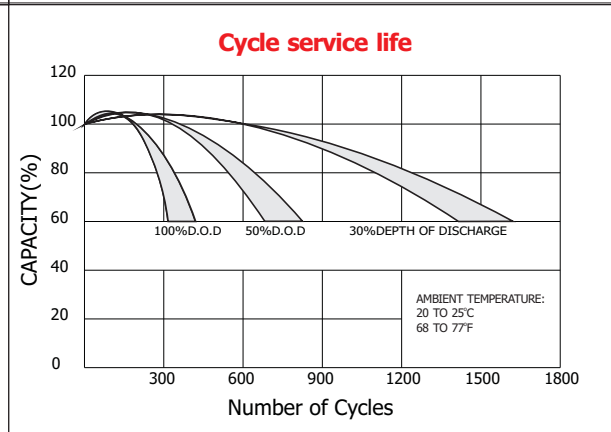
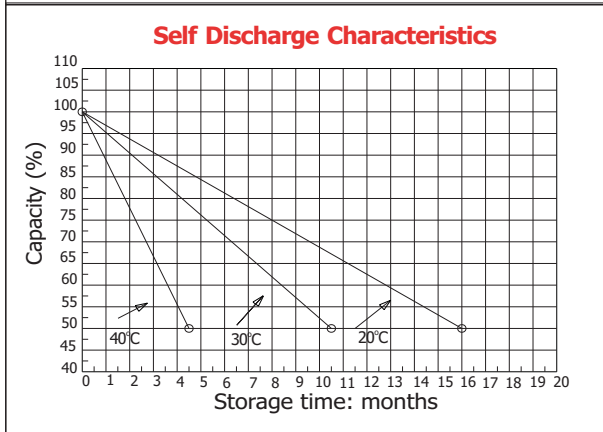
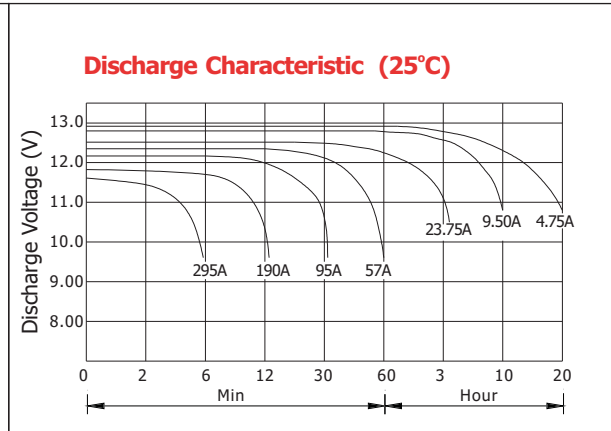
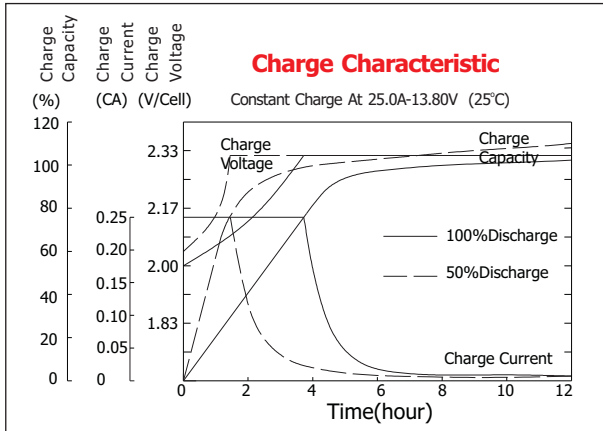
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Standard Terminal Dimensions
(Optional terminal please check terminal information page)



Battery Model	GT12-95TF			
Designed Floating Life	12 Years			
Capacity(25°C)	20HR(5.0A,1.75V)	10HR(9.5.0A,1.75V)	5HR(18.0A,1.75V)	1HR(65A,1.75V)
	100Ah	95Ah	90Ah	65Ah
Dimensions	Length	Width	Height	Total Height
	390mm(15.35inch)	105mm(4.13inch)	280mm(11.02inch)	287mm(11.3inch)
Approx. Weight	36Kg (79.2 lbs)			
Internal Resistance	Full charged at 25°C :0.00631 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	
	14.4-14.8V(-30mV/ °C), max. Current: 25A		13.6-13.8(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

End Voltage per cell	1MIN	5MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	12HR	20HR	24HR
1.60V	433	375	193	115	68.3	38.2	27.3	21.3	18.4	15.9	12.1	10.0	8.70	5.30	4.45
1.65V	416	353	185	113	68.3	38.1	27.1	21.2	18.3	15.8	12.0	9.8	8.60	5.20	4.35
1.67V	402	342	181	113	67.8	38.1	27.0	21.1	18.3	15.8	12.0	9.7	8.55	5.20	4.35
1.70V	388	330	177	112	67.2	37.6	27.0	21.0	18.2	15.8	11.9	9.6	8.53	5.20	4.35
1.75V	349	298	168	110	65.0	37.1	26.7	20.8	18.2	15.7	11.8	9.5	8.50	5.18	4.32
1.80V	311	269	159	106	61.6	36.2	26.5	20.9	18.0	15.5	11.6	9.5	8.47	5.17	4.31
1.83V	288	253	153	104	59.4	36.0	25.5	20.2	17.5	15.0	11.4	9.30	8.10	4.95	4.15
1.85V	269	237	148	101	56.0	34.7	25.0	19.4	17.0	14.5	11.1	9.20	8.00	4.95	4.15
1.90V	224	204	137	96.3	53.8	32.8	24.0	18.6	15.5	13.5	10.5	9.00	7.90	4.80	4.05

Constant power discharge ratings-watts at 25°C

End Voltage per cell	1MIN	5MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	12HR	20HR	24HR
1.60V	557	453	265	172	100	67.0	47.5	38.7	32.8	29.2	22.8	19.2	16.2	10.8	9.20
1.65V	550	450	263	172	99.5	67.0	47.5	38.7	32.8	29.2	22.8	19.2	16.2	10.8	9.20
1.67V	547	449	263	172	99.3	67.0	47.4	38.7	32.8	29.2	22.8	19.2	16.2	10.8	9.20
1.70V	543	447	262	172	99.0	67.0	47.3	38.6	32.8	29.2	22.8	19.2	16.2	10.8	9.20
1.75V	529	442	260	171	99.0	65.0	47.0	38.3	32.7	29.0	22.8	19.2	16.1	10.8	9.11
1.80V	500	432	256	170	98.0	65.0	46.7	38.1	32.5	28.8	22.7	19.0	15.9	10.7	9.10
1.83V	472	412	251	167	95.0	64.0	45.8	37.4	32.0	27.6	22.3	18.8	15.8	10.3	8.78
1.85V	444	392	246	164	93.0	62.0	44.8	35.8	31.7	26.8	22.0	18.7	15.6	10.3	8.76
1.90V	331	321	227	153	83.0	58.0	41.7	34.0	30.0	25.0	20.8	17.8	14.9	9.94	8.10