

● FT General Series Battery

JYC FT General Series VRLA batteries are designed with AGM (Absorbent Glass Mat) technology, High performance plates and electrolyte to give extra power output for common power backup system. FT series Batteries are the general purpose batteries with 10 years floating design life at 25°C. Meet with IEC, BS, JIS and Eurobat standard.

● Application

- *Emergency Power System
- *Communication equipment
- *Telecommunication systems
- *Uninterruptible power supplies
- *Electric bicycle and wheelchairs, etc.
- *Power tools
- *Alarm system
- *Marine equipment
- *Fire and Security System



● General Features

- *Safety Sealing
- *Non-spillable construction
- *High Reliability and Stability
- *Sealed and Maintenance-free
- *Safety and Quality certification
- *Long Life and low self-discharge design

● Construction

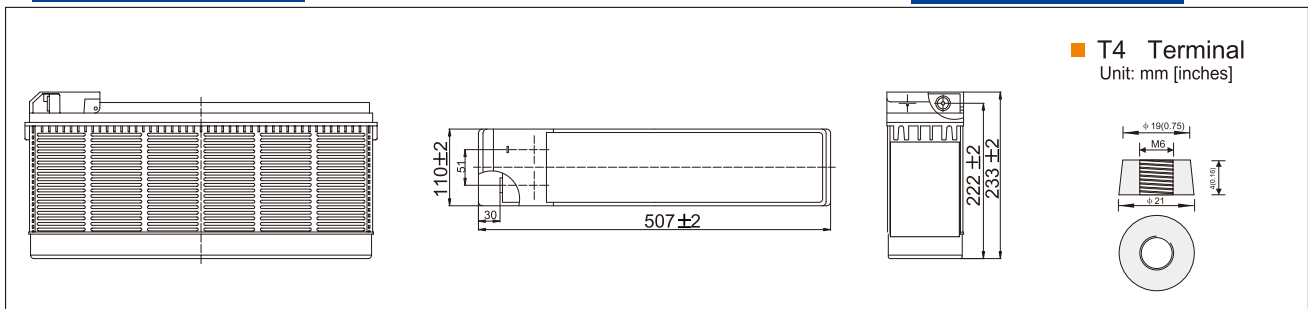
- *PositiveLead dioxide
- *ElectrolyteSulfuric acid
- *SeparatorFiber glass
- *ContainerABS(UL94-HB), Flammability Resistance of UL94-V2 can be available upon request
- *NegativeLead
- *Safety ValveEPDR
- *TerminalCopper

● Specification

Battery Model	Nominal Voltage		12V		
	Ratedcapacity(10HR)		100Ah		
Dimensions	Length	Width	Height	Total Height	
	507mm(19.9 inches)	110mm(4.33 inches)	222mm(8.74 inches)	233mm(9.17 inches)	
Approx Weight	30kg(66.13lbs) ±3%				
Capacity 25°C (77°F)	20 hr (5.13A,10.8V)	10hr(10.0A,10.5V)	8 hr (12.36A,10.8V)	5 hr (18.10A,10.5V)	1 hr (54.20A,10.2V)
	102.60AH	100.00AH	98.88AH	90.50AH	54.20AH
Max.discharge current	1000A(5Sec.)				
Internal Resistance	Full charged at 25°C:Approx 5.0 mΩ				
Capacity affected by Temp.(10HR)	40 °C (104 °F)		25 °C (77 °F)		0 °C (32 °F)
	103%		100%		86%
Self Discharge at 25 °C (77 °F)	After 3 months storage		After 6 months storage		After 12 months storage
	91%		82%		64%
Charge method 25 °C (77 °F)	Cycle Use			Float Use	
	14.4-15.0V(Initial charging current less than 30A)			13.5-13.8V	

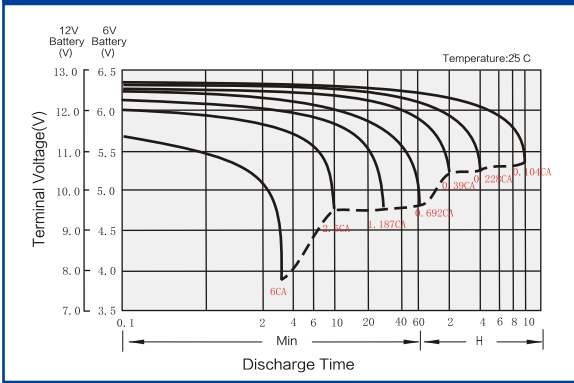
● Outer dimensions (mm)

● Terminal Type (mm)

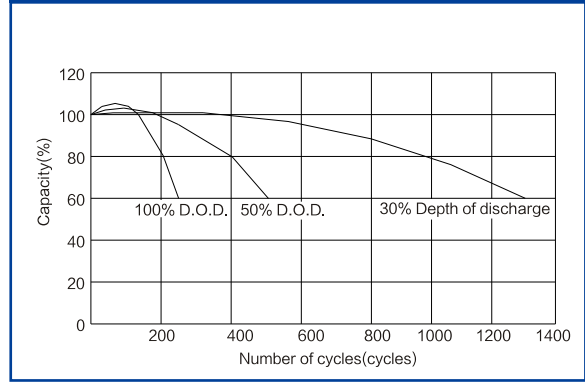


Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25 °C (77 °F)										
F.V/time	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	167.600	101.000	55.000	40.254	37.658	26.825	18.307	12.742	10.376	5.835
	323.468	201.192	109.725	80.374	75.348	53.673	36.629	25.494	20.761	11.675
1.67V	158.894	98.842	54.601	39.855	37.471	26.684	18.206	12.634	10.215	5.543
	306.904	196.992	108.937	79.599	75.035	53.488	36.493	25.332	20.481	11.115
1.70V	154.976	97.979	54.203	39.815	37.377	26.617	18.201	12.508	10.086	5.396
	299.568	195.278	108.273	79.551	74.879	53.367	36.494	25.091	20.233	10.824
1.75V	148.446	96.252	53.406	39.297	37.143	26.450	18.105	12.473	10.000	5.310
	287.242	191.976	106.944	78.594	74.397	53.059	36.319	25.040	20.075	10.660
1.80V	142.351	94.094	53.007	39.018	36.908	26.309	18.055	12.366	9.839	5.135
	275.877	187.756	106.280	78.231	73.941	52.803	36.236	24.842	19.766	10.316
1.85V	134.951	91.504	52.210	38.580	36.580	26.075	17.954	12.204	9.677	4.960
	261.804	182.721	104.838	77.545	73.316	52.384	36.069	24.543	19.461	9.974

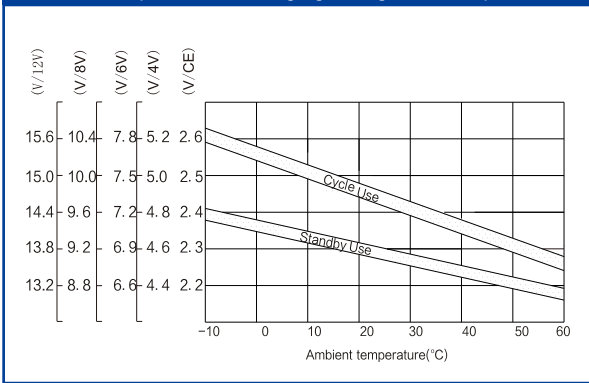
Discharge characteristic Curve



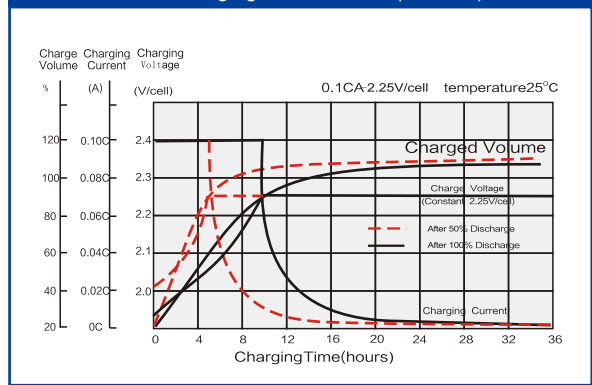
Cycle service life in relation to depth of discharge



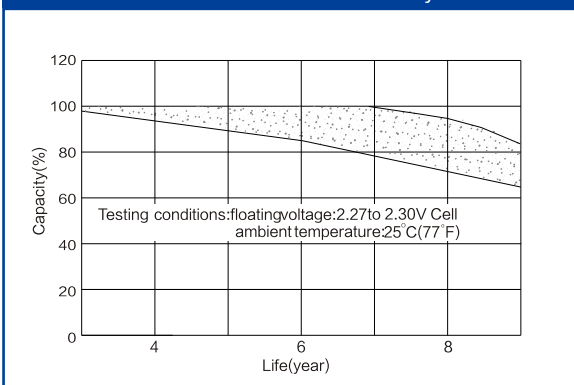
Relationship between charging voltage and temperature



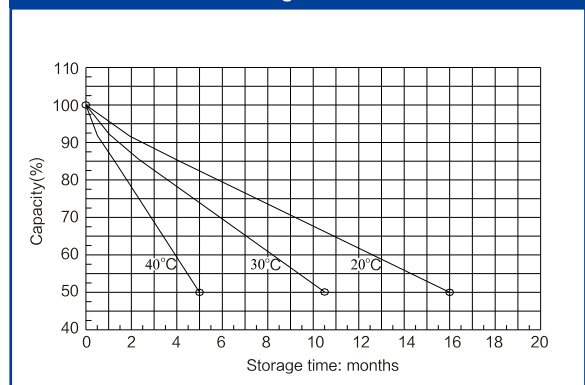
Float charging characteristic (at 25°C)



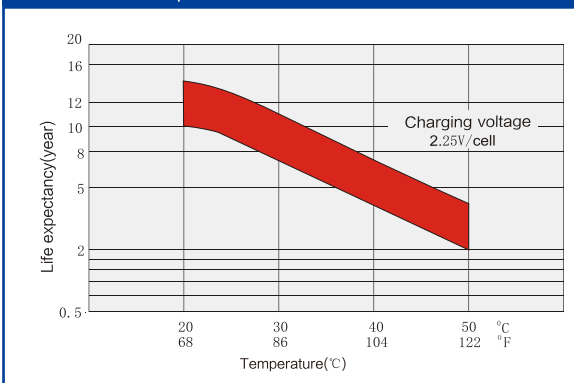
Life characteristics of standby use



Self-discharge characteristic



Temperature effects on float life



Charge characteristic Curve for standby use

