

● 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

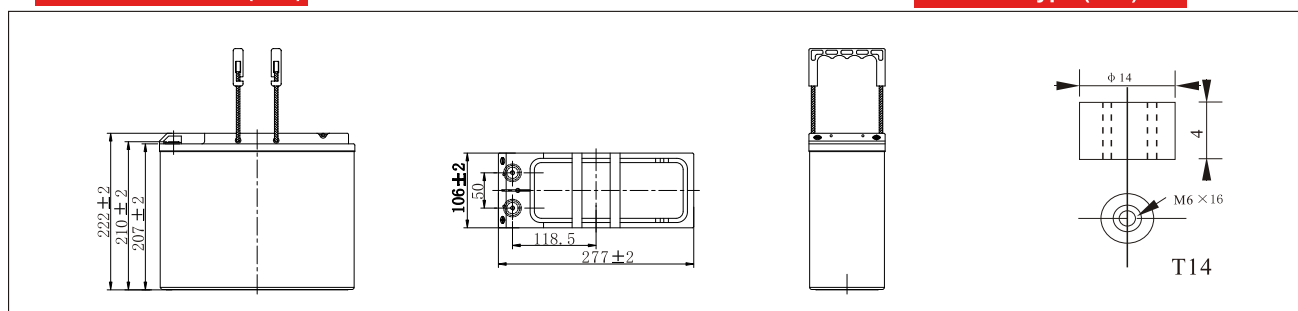
● Construction

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

● Specification

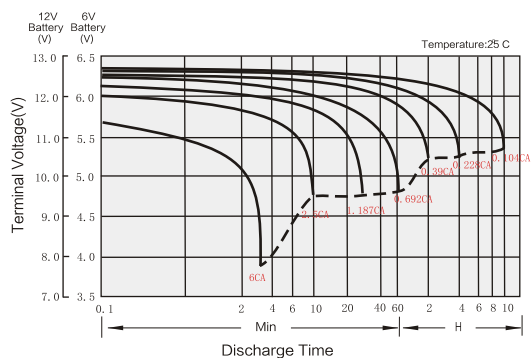
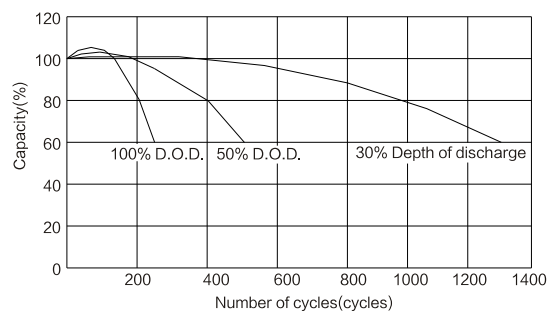
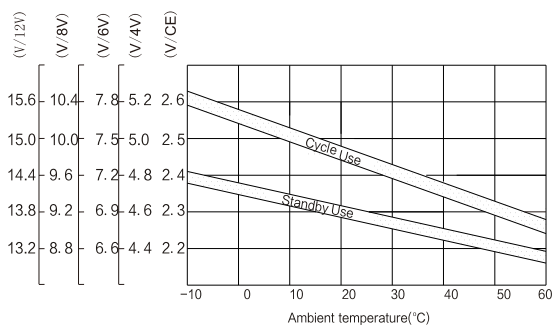
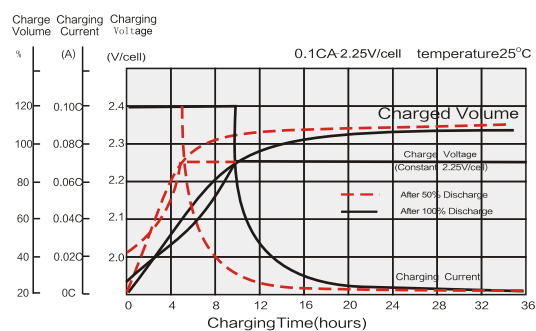
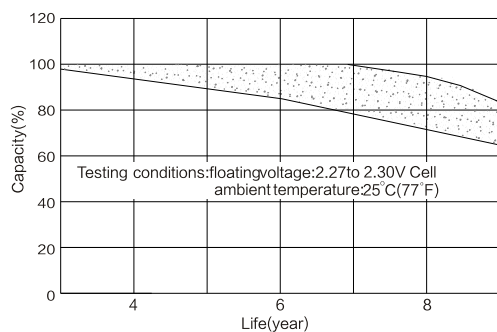
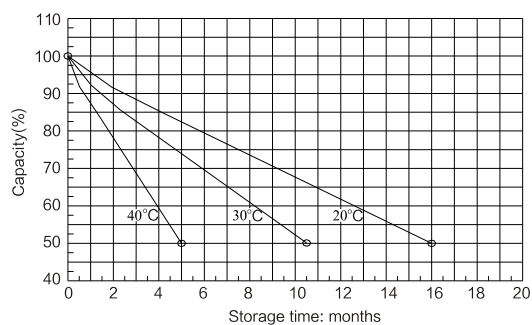
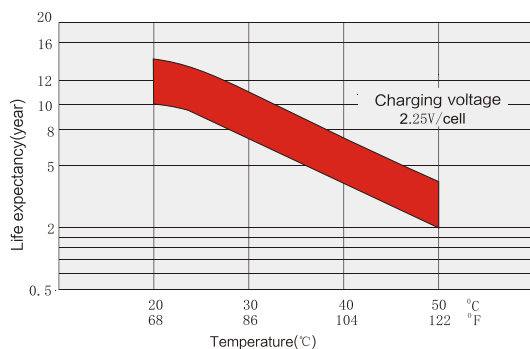
Battery Model	Nominal Voltage		12V		
	Rated capacity(10HR)		55Ah		
Dimensions	Length		Width	Height	Total Height
	277mm(10.91 inches)		106mm(4.17 inches)	222mm(8.74 inches)	222mm(8.74 inches)
Approx Weight	17.0kg(37.48 lbs)±3%				
Capacity 25°C (77°F)	20hr (3.02A, 10.8V)	10hr(5.71A, 10.8V)	8hr(6.88A, 10.8V)	5hr(10.40A, 10.5V)	1hr(38.1A, 10.2V)
	60.4AH	57.1AH	55AH	52.0AH	38.1AH
Max.discharge current	550A(5Sec.)				
Internal Resistance	Full charged at 25°C: Approx 6.0 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 16.5A)			13.5-13.8V	

● Outer dimensions (mm)



● Terminal Type (mm)

Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25 °C (77 °F)															
Time		10min	15min	20min	30min	45min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.85V/cell	A	95.7	79.7	68.4	53.7	41.6	33.8	20.2	14.5	11.70	9.66	8.40	6.54	5.46	2.89
	W	178.6	150.4	130.4	103.4	80.8	65.9	39.6	28.6	23.00	19.10	16.70	13.05	10.90	5.79
1.80V/cell	A	108.4	88.9	75.7	58.7	44.8	36.1	21.3	15.5	12.30	10.20	8.83	6.88	5.71	3.02
	W	200.1	165.4	142.2	111.4	86.3	70.0	41.5	30.3	24.10	20.00	17.50	13.67	11.40	6.04
1.75V/cell	A	119.0	96.2	80.8	61.7	46.5	37.4	21.7	15.7	12.60	10.40	8.97	6.96	5.78	3.07
	W	216.1	176.8	150.3	116.1	88.7	72.2	42.1	30.6	24.60	20.40	17.70	13.80	11.50	6.12
1.70V/cell	A	127.3	101.3	84.1	63.5	47.6	37.9	22.0	15.9	12.70	10.50	9.08	7.06	5.83	3.09
	W	226.0	183.7	155.2	118.8	90.4	72.9	42.6	30.9	24.80	20.50	17.90	13.99	11.60	6.16
1.67V/cell	A	131.7	103.8	85.8	64.3	47.7	38.1	22.1	16.0	12.80	10.60	9.19	7.15	5.89	3.11
	W	233.0	187.4	157.8	120.1	90.5	73.0	42.7	31.0	24.90	20.70	18.00	14.15	11.70	6.19
1.60V/cell	A	138.5	107.8	89.7	65.9	49.0	39.1	22.4	16.3	13.00	10.80	9.35	7.32	6.00	3.12
	W	238.2	190.8	162.5	121.5	91.0	74.2	43.0	31.4	25.30	21.10	18.30	14.43	11.90	6.21

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
