MinuteBank

VRLA AGM Battery

BT-FT-200-12 [12V200Ah]

General Features

- Designed floating charging service life: 12 years (25ºC)
- Sealed and maintenance free operation
- Safety valve installation for explosion proof
- Low self-discharge characteristic
- Wide operating temperature range from 0ºC~40ºC
- Lead Aluminum calcium Tin alloy high energy, prevent corrosion

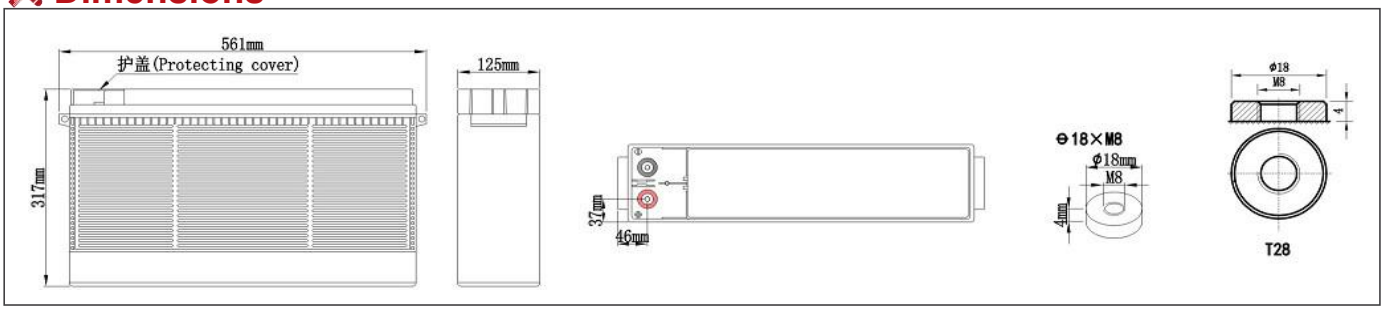
Application

- DC power supply
- UPS/EPS power supply
- Electrical devices & instruments
- Security and fire alarm systems
- Telecom stations and power stations
- Medical equipments
- Emergency lighting systems

Physical Specifications

Nominal Voltage	Nominal Capacity (10HR)	Dimension				Weight ±3%	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
12V	200AH	561±4mm	125±2mm	317±3mm	317±3mm	Approx 56.5kg (124.5lbs)	≈3.70mΩ	T28 (standard)

Dimensions



Battery Discharge Table

End Voltage (V)	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
Constant Current Discharge Data Sheet (Amperes at 25ºC)													
10.20	612	466	351.5	186.4	172.8	121.4	95.73	80.19	50.29	34.95	24.83	20.29	10.39
10.50	544	427	328.2	178.6	165.0	116.5	92.04	77.28	48.64	33.30	23.48	20.00	10.29
10.80	505	388	306.8	172.8	157.3	111.7	88.25	74.27	46.89	31.84	22.31	19.59	10.16
Constant Power Discharge Data Sheet (Watt at 25ºC)													
10.20	6078	5146	3704	2326	1748	1518	1108	833	621	401	297	252	132
10.50	5845	4369	3324	2273	1709	1495	1090	806	601	388	293	245	128
10.80	5437	4078	3173	2223	1650	1427	1041	779	581	375	289	233	125

⚠ NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation

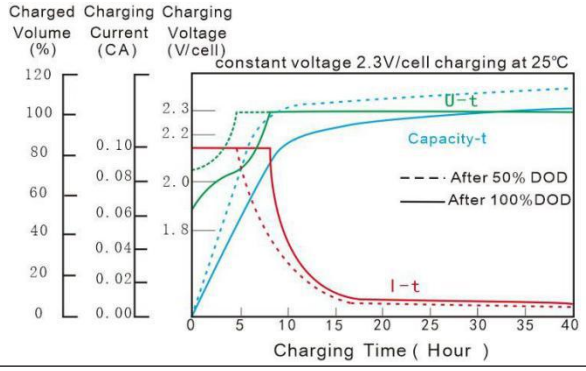
Constant-Voltage Charge

Rated Capacity	
20 hour rate (10.0A)	210.0AH
10 hour rate (20.0A)	200.0AH
5 hour rate (34.0A)	170.0AH
3 hour rate (50.0A)	150.0AH
1 hour rate (120.0A)	120.0AH
Capacity affected by Temperature	
40ºC(104ºF)	103%
25ºC(77ºF)	100%
0ºC(32ºF)	86%

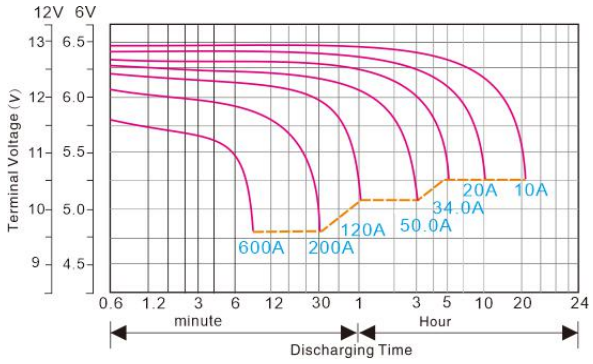
Cycle Application
1. Limit initial current less than50.0A.
2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25ºC(77ºF).
3. Hold at 14.1V to 14.4V until current drop to under1.2A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/ºC.
Standby Service
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit*50.0*A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -18mV/ºC.

Performance Characteristics

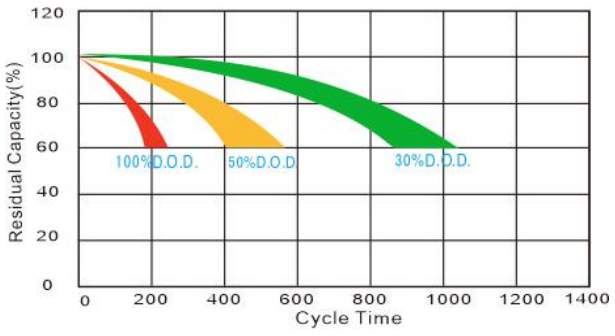
Charge Characteristics (25ºC/77ºF)



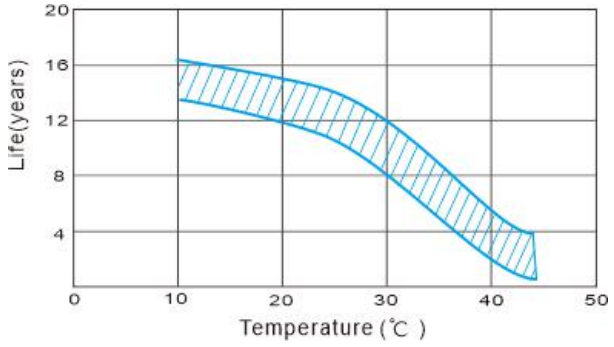
Discharge Characteristic (25ºC/77ºF)



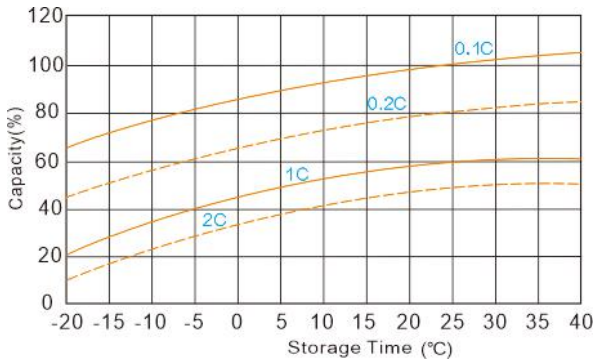
Cycle Life in Relation to Depth of Discharge



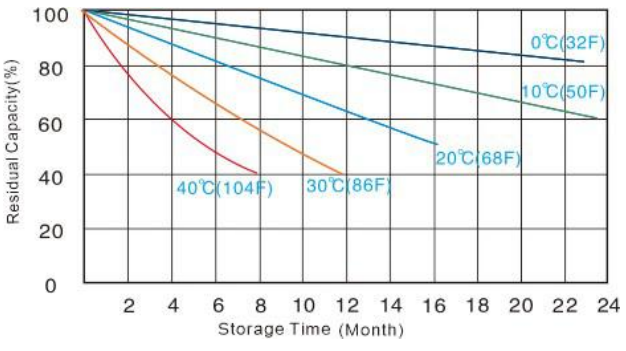
Temperature vs Float Life



Capacity Curve At Different Temperature



Self Discharge Characteristics



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