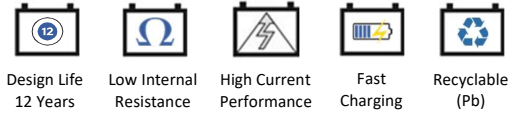
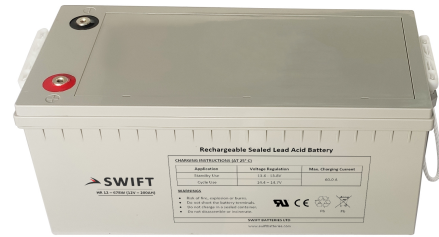


**SBH12-200** AGM VRLA  
12V – 200AH

**General Features:**

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



**Applications:**

Uninterruptible Power Supply (UPS)  
Telecom Stations and Power Station

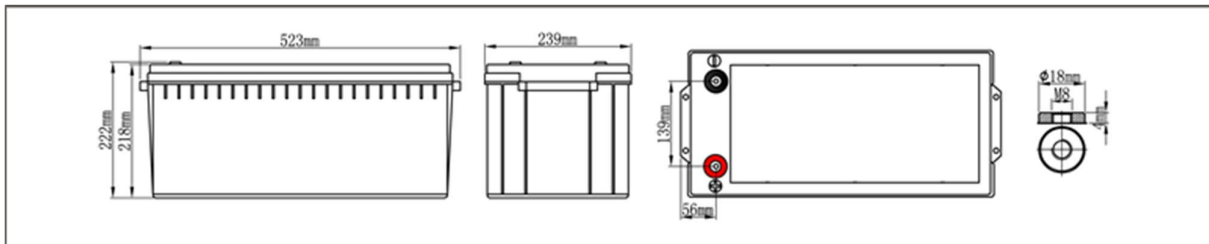
Medical Equipment's  
Fire Alarm and Security Systems

DC Power Supply  
Emergency Lighting

**Physical Specifications:**

Nominal Voltage	Nominal Capacity (10HR)	Dimensions				Weight	Internal Resistance (In full charge status)	Standard Terminals
		Length	Width	Height	Total Height			
12V	200AH	523mm	239mm	218mm	222mm	Approx 60.5kg (135.3lbs)	≈3.0 mΩ	T41 (Standard)

**Dimensions:**



**Constant Voltage Discharge:**

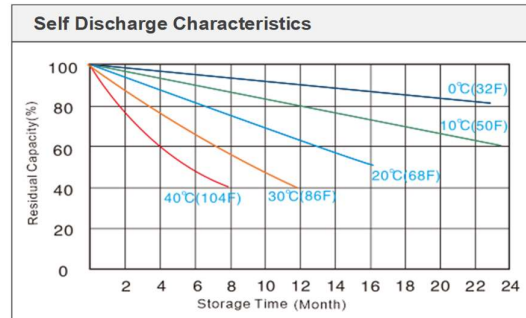
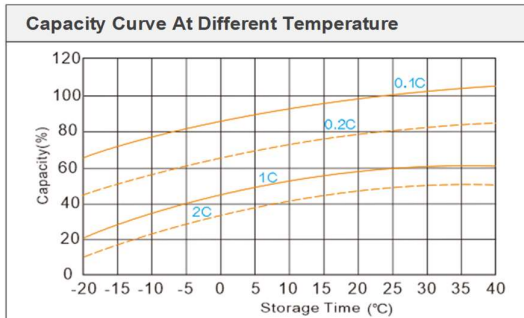
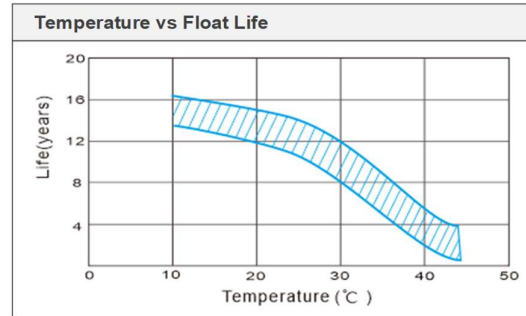
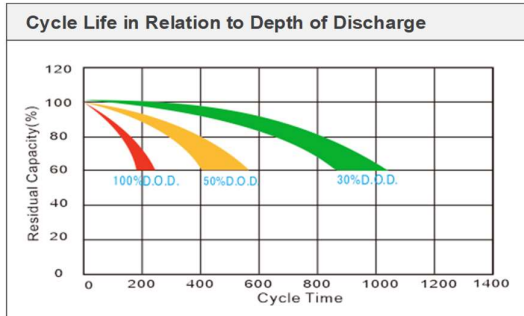
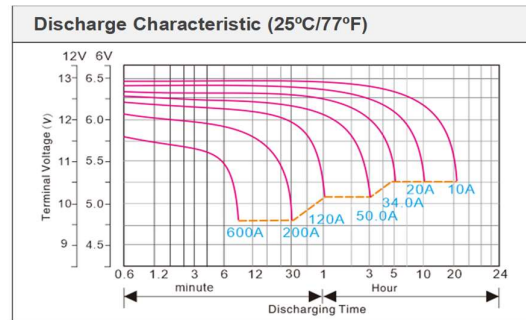
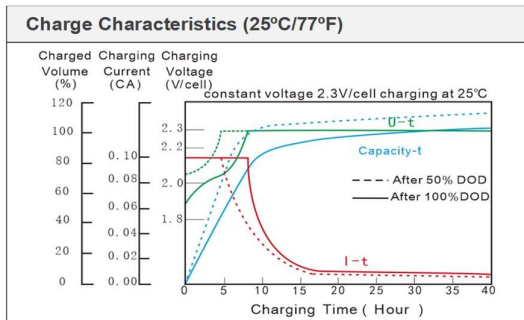
Rated Capacity	
20 hour rate (10.0A)	212.5AH
10 hour rate (20.0A)	202.0AH
5 hour rate (34.0A)	171.7AH
3 hour rate (50.0A)	151.5AH
1 hour rate (120.0A)	121.2AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

Cycle Application
1. Limit initial current less than 50.0A.
2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).
3. Hold at 14.1V to 14.4V until current drop to under 1.2A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby Service
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 50.0A 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/°C.

## Battery Discharge Table:

End Voltage (V)	Minutes (M)				Hours (H)							
	10	15	30	45	1	1.5	2	3	5	8	10	20
<b>Constant Current Discharge Data Sheet (@25°C) Unit: A</b>												
1.60	486	384	216	186	126	100	85	53.5	36.9	24.8	21.0	11.01
1.65	463	366	206	180	123	98	83	51.5	36.0	24.4	20.8	10.91
1.70	441	348	196	174	121	96	81	50.5	35.1	23.9	20.6	10.81
1.75	420	331	187	168	118	93	79	49.5	34.3	23.4	20.4	10.71
1.80	400	316	178	162	115	91	77	48.5	33.4	23.0	20.2	10.61
<b>Constant Power Discharge Data Sheet (@25°C) Unit: W</b>												
1.60	801.17	699.00	464.00	325.00	270.33	197.17	147.50	110.00	71.00	53.67	41.50	22.33
1.65	763.00	665.67	441.67	314.17	263.83	192.33	144.00	107.33	69.33	52.67	41.17	22.17
1.70	726.67	634.00	420.67	303.50	257.33	187.67	140.33	104.67	67.50	51.67	40.67	21.83
1.75	692.00	603.67	400.67	293.17	251.17	183.17	137.00	102.17	66.00	50.67	40.33	21.67
1.80	659.00	575.00	381.67	283.33	245.00	178.67	133.67	99.67	64.33	49.67	40.00	21.50

## Performance Characteristic:



**Note:**

The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation. Above Information is subject to change. For further queries, please contact [info@swiftbatteries.com](mailto:info@swiftbatteries.com)

