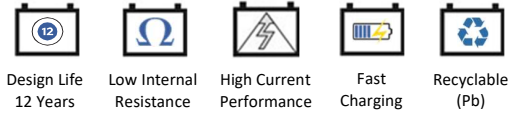


SBH12-120 AGM VRLA
12V – 120AH

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

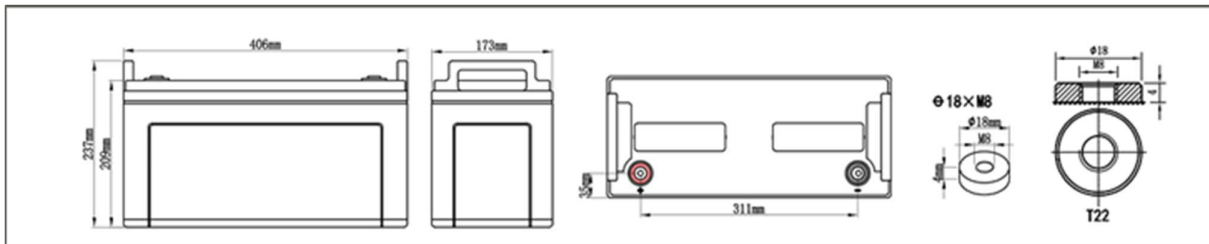
Medical Equipment's
Fire Alarm and Security Systems

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	120AH	406mm	173mm	209mm	237mm	Approx 35.4kg (77.88lbs)	≈3.50 mΩ	T22 (Standard)

Dimensions:



Constant Voltage Discharge:

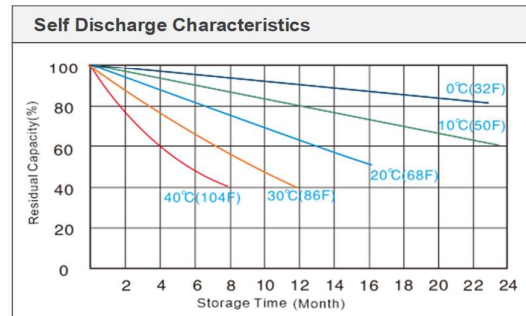
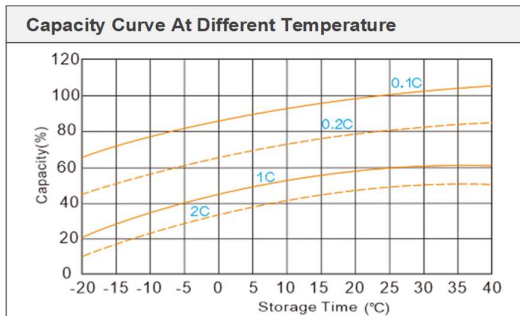
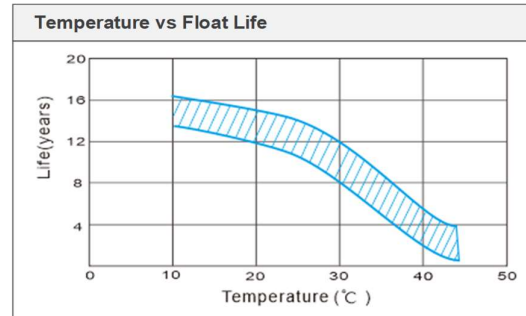
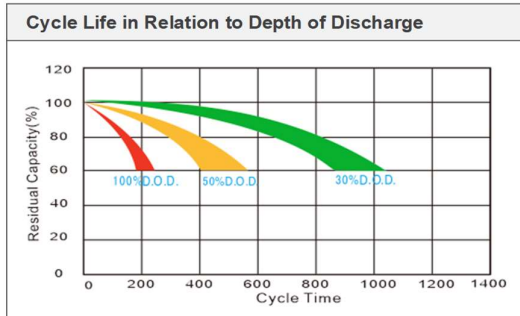
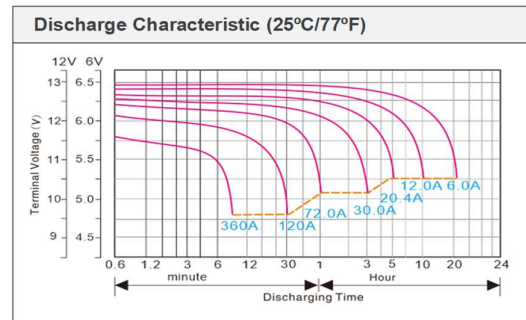
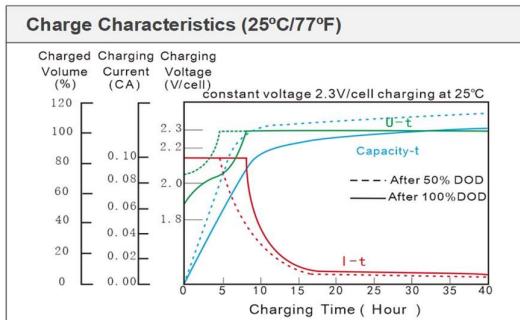
Rated Capacity	
20 hour rate (6.0A)	127.2AH
10 hour rate (12.0A)	121.2AH
5 hour rate (20.4A)	103.0AH
3 hour rate (30.0A)	90.9AH
1 hour rate (72.0A)	72.7AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

Cycle Application
1. Limit initial current less than 30.0A.
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 0.72A 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 30.0A 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
Constant Current Discharge Data Sheet (@25°C) Unit: A												
1.60	295	233	131	113	77	61	51.2	32.3	22.0	15.0	12.6	6.57
1.65	281	222	125	109	75	60	49.9	31.3	21.4	14.7	12.5	6.50
1.70	268	211	119	105	73	58	48.7	30.3	20.9	14.5	12.4	6.44
1.75	255	202	113	102	72	57	47.5	29.3	20.6	14.2	12.2	6.37
1.80	242	192	108	98	70	56	46.4	28.3	19.9	13.9	12.1	6.31
Constant Power Discharge Data Sheet (@25°C) Unit: W												
1.60	525.17	435.50	281.17	197.00	164.00	119.50	89.33	66.67	43.17	32.67	25.17	13.55
1.65	500.33	414.67	267.83	190.33	160.00	116.50	87.17	65.17	42.17	32.00	25.00	13.42
1.70	476.33	394.83	255.00	184.00	156.00	113.83	85.00	63.50	41.00	31.33	24.67	13.30
1.75	453.67	376.00	242.83	177.83	152.17	111.00	83.00	62.00	40.00	30.67	24.50	13.17
1.80	432.17	358.17	231.33	171.67	148.50	108.17	81.00	60.50	39.00	30.17	24.17	13.03

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

