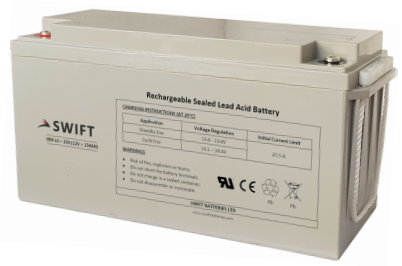
SBH12-150 AGM VRLA
12V – 150AH



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

Design Life 12 Years | Low Internal Resistance | High Current Performance | Fast Charging | Recyclable (Pb)

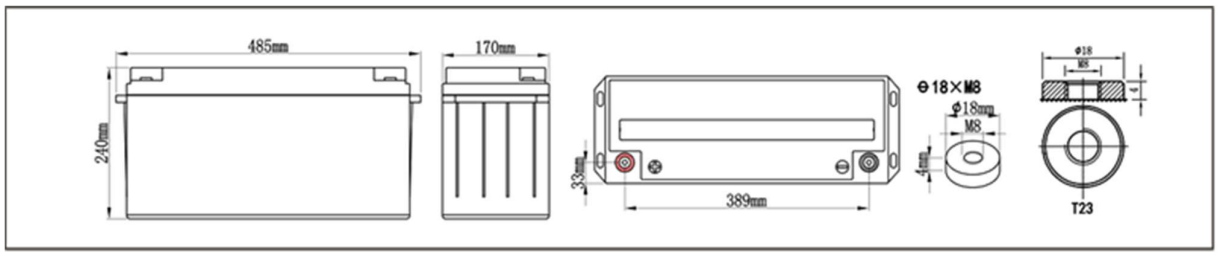
Applications:

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	150AH	485mm	170mm	240mm	240mm	Approx 43.5kg (95.7lbs)	≈3.40 mΩ	T23 (Standard)

Dimensions:



Constant Voltage Discharge:

Rated Capacity	
20 hour rate (7.5A)	159.5AH
10 hour rate (15.0A)	151.5AH
5 hour rate (25.5A)	129.3AH
3 hour rate (37.5A)	113.6AH
1 hour rate (90.0A)	90.9AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

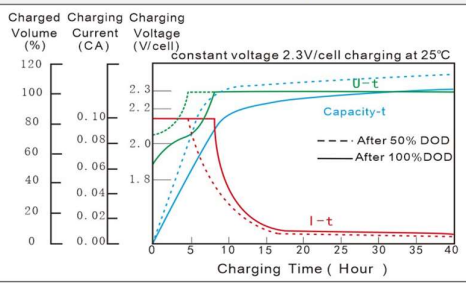
Cycle Application
1. Limit initial current less than 37.5A.
2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).
3. Hold at 14.1V to 14.4V until current drop to under 0.90A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby Service
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 37.5A 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:

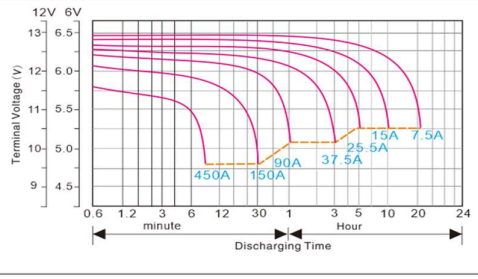
End Voltage (V)	Minutes (M)				Hours (H)							
	10	15	30	45	1	1.5	2	3	5	8	10	20
Constant Current Discharge Data Sheet (@25°C) Unit: A												
1.60	361	285	160	138	94	74	63	39.6	27.3	18.5	15.6	8.06
1.65	344	271	152	133	92	72	61	38.6	26.7	18.1	15.4	8.01
1.70	328	258	146	129	90	71	60	37.5	26.1	17.7	15.3	7.95
1.75	312	247	139	124	87	69	58	36.7	25.5	17.4	15.1	7.90
1.80	297	235	132	120	85	67	57	35.8	24.9	17.0	15.0	7.85
Constant Power Discharge Data Sheet (@25°C) Unit: W												
1.60	643.83	563.67	344.50	241.33	201.00	146.33	109.50	81.83	52.67	40.00	30.83	16.67
1.65	613.17	536.67	328.17	233.33	196.00	142.83	107.00	79.83	51.33	39.17	30.67	16.50
1.70	584.00	511.17	312.50	225.33	191.17	139.50	104.33	77.83	50.17	38.50	30.33	16.33
1.75	556.17	486.83	297.67	217.83	186.67	136.00	101.83	75.83	48.83	37.67	30.00	16.17
1.80	529.67	463.67	283.50	210.33	182.00	132.67	99.33	74.17	47.67	37.00	29.67	16.00

Performance Characteristic:

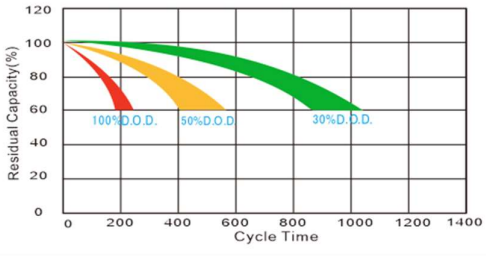
Charge Characteristics (25°C/77°F)



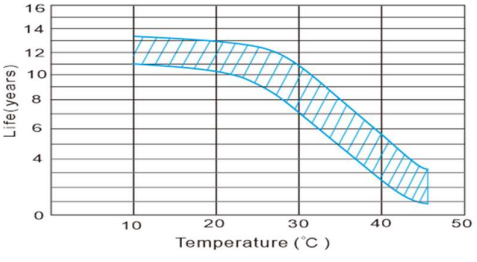
Discharge Characteristic (25°C/77°F)



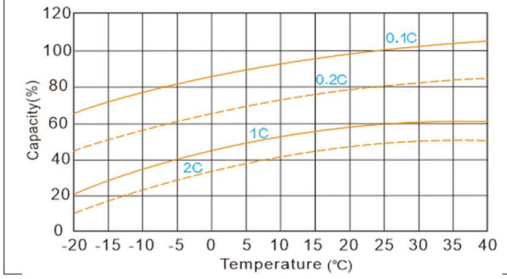
Cycle Life in Relation to Depth of Discharge



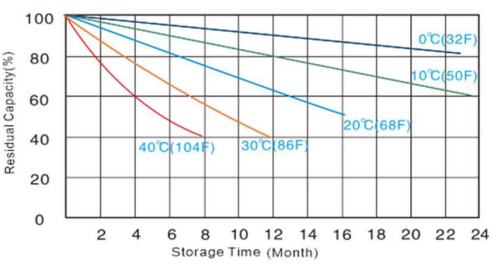
Temperature vs Float Life



Capacity Curve At Different Temperature



Self Discharge Characteristics



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