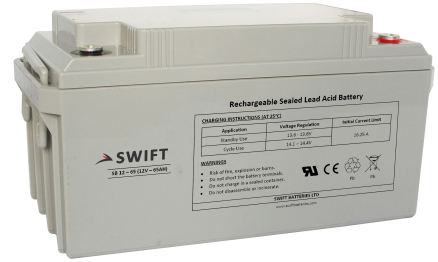


**SB12-65** AGM VRLA  
12V – 65AH

**General Features:**

- Designed floating charging service life: 10 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

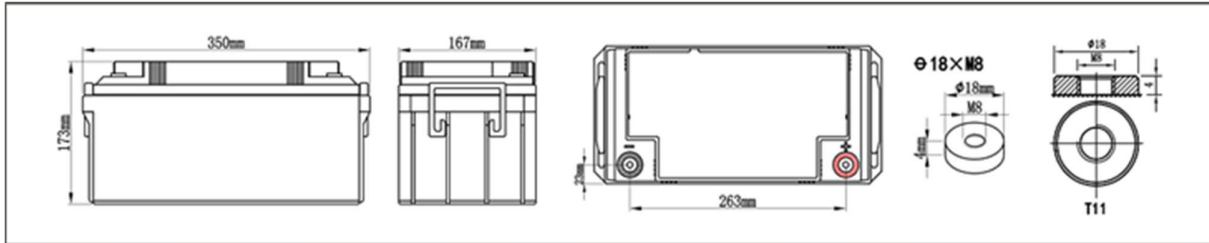
DC Power Supply  
Emergency Lighting



**Physical Specifications:**

Nominal Voltage	Nominal Capacity (10HR)	Dimensions				Weight	Internal Resistance (In full charge status)	Standard Terminals
		Length	Width	Height	Total Height			
12V	65AH	350mm	167mm	173mm	173mm	Approx 19.7kg (43.34lbs)	≈5.9 mΩ	T11 (Standard)

**Dimensions:**



**Constant Voltage Discharge:**

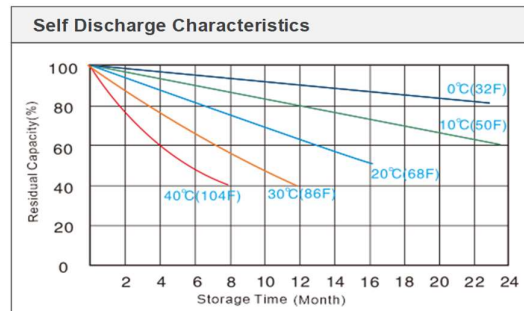
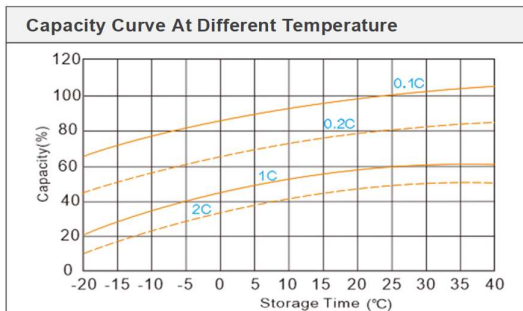
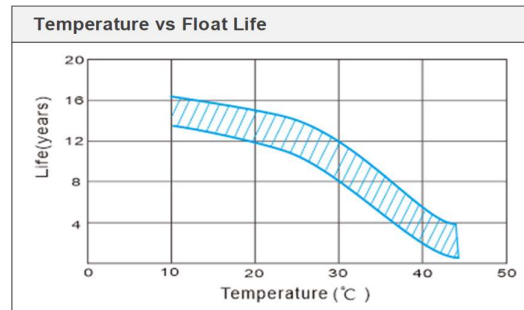
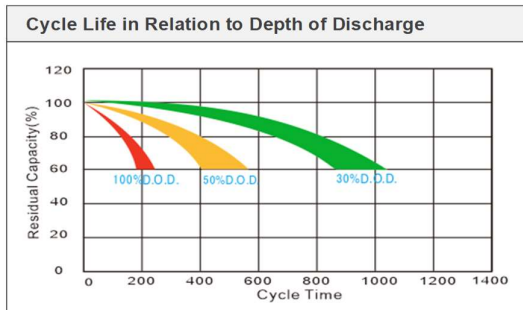
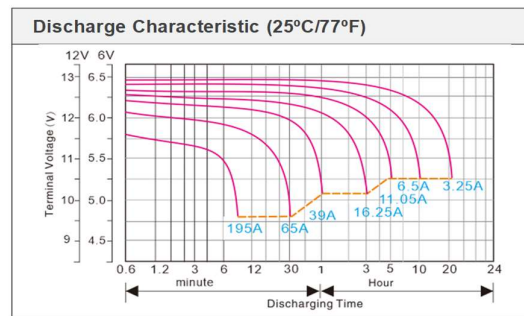
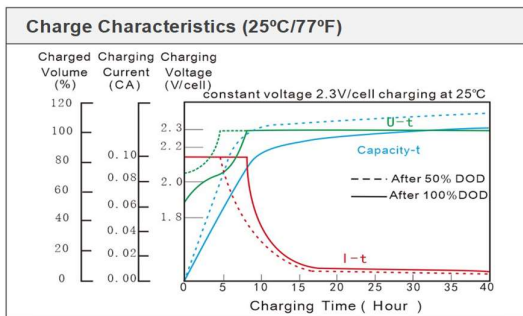
Rated Capacity	
20 hour rate (3.25A)	68.9AH
10 hour rate (6.50A)	65.7AH
5 hour rate (11.05A)	55.9AH
3 hour rate (16.25A)	49.1AH
1 hour rate (39.0A)	39.3AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

Cycle Application
1. Limit initial current less than 16.25A.
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 0.42A 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 16.25A 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	160	126	71	61	41.4	32.8	27.8	17.1	11.9	8.14	6.84	3.56
1.65	153	120	68	60	40.7	32.2	27.1	16.8	11.6	8.01	6.77	3.51
1.70	145	114	65	58	39.4	31.5	26.4	16.5	11.3	7.88	6.70	3.48
1.75	138	109	61	56	38.8	30.9	25.8	16.2	11.2	7.69	6.64	3.44
1.80	131	104	59	54	38.1	30.2	25.1	15.8	10.8	7.55	6.57	3.41
<b>Constant Power Discharge Data Sheet (@25°C) Unit: W</b>												
1.60	297.00	246.17	152.33	106.67	88.67	64.83	48.50	36.17	23.17	17.67	13.67	7.33
1.65	282.83	234.33	145.00	103.00	86.67	63.17	47.33	35.17	22.67	17.33	13.52	7.27
1.70	269.33	223.17	138.00	99.67	84.50	61.67	46.17	34.33	22.17	17.00	13.40	7.20
1.75	256.50	212.67	131.50	96.33	82.33	60.17	45.00	33.50	21.67	16.67	13.27	7.12
1.80	244.33	202.50	125.17	93.17	80.50	58.50	44.00	32.67	21.00	16.33	13.13	7.05

## 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)

