

VRLA AGM Battery

BT-HSE-135-12 [12V135Ah]



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 Aluminum calcium Tin alloy high energy, prevent corrosion

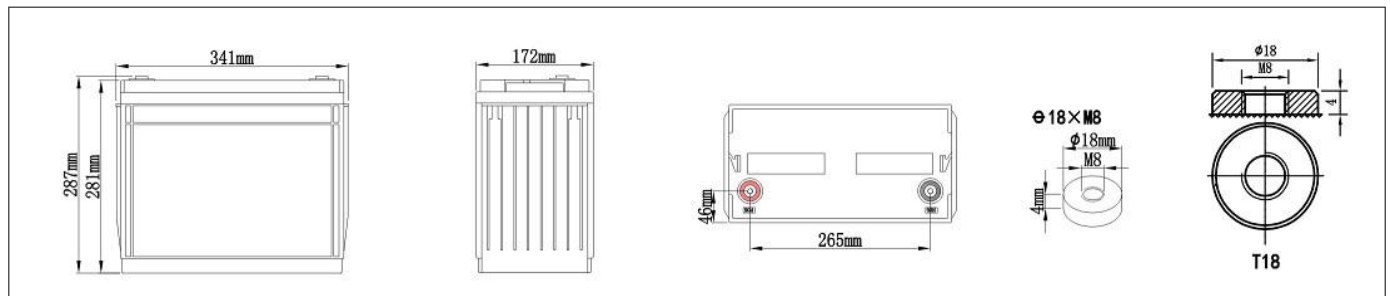
Application

- DC power supply
- UPS/EPS power supply
- Electrical devices & instruments
- Security and fire alarm systems
- Telecom stations and power stations
- Medical equipment
- 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	135AH	341±3mm	172±2mm	281±3mm	287±3mm	Approx 42.50kg (78lbs)	≤4.50 mΩ	T18 (standard)

Dimensions



Constant-Voltage Charge

Rated Capacity	
20 hour rate (6.75A)	143.0AH
10 hour rate (13.5A)	135.0AH
5 hour rate (22.95A)	115.0AH
3 hour rate (33.75A)	101.5AH
1 hour rate (81.0A)	81.0AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

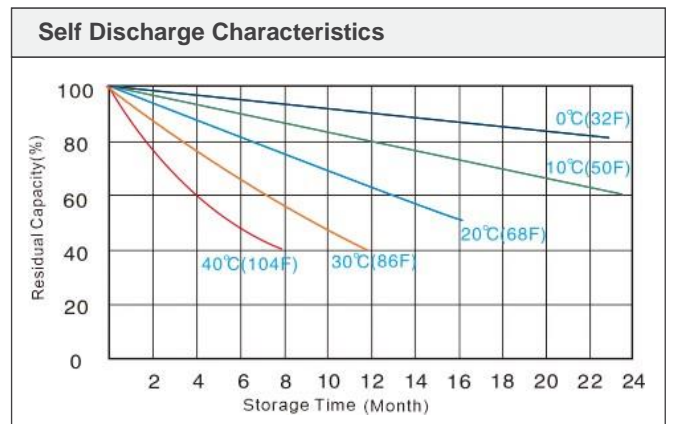
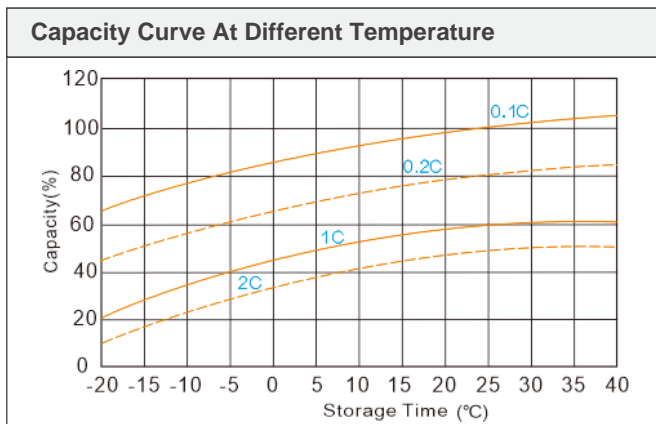
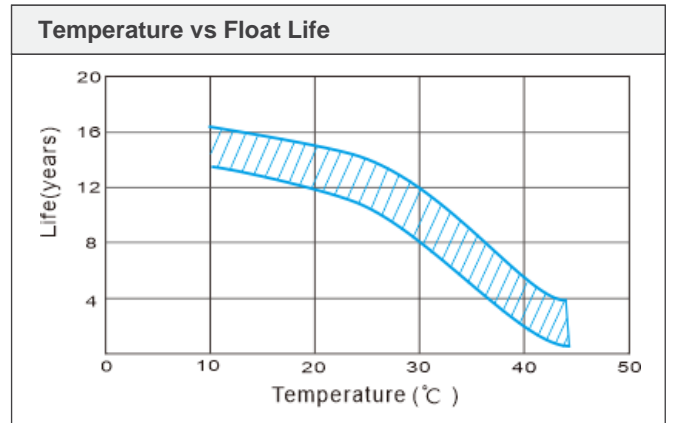
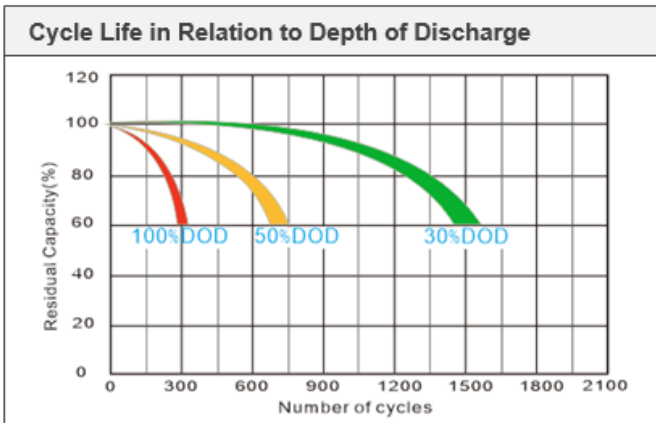
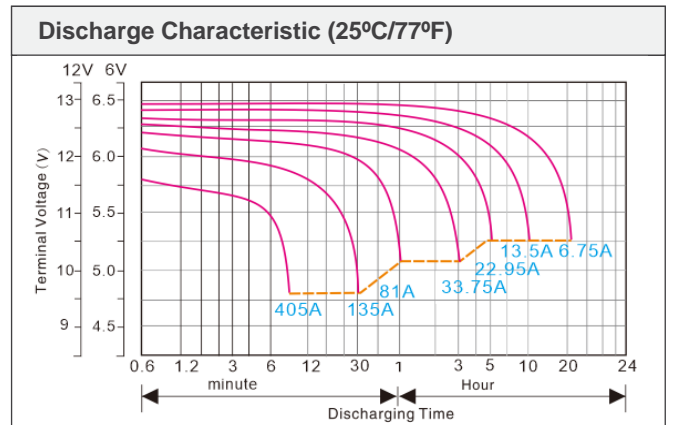
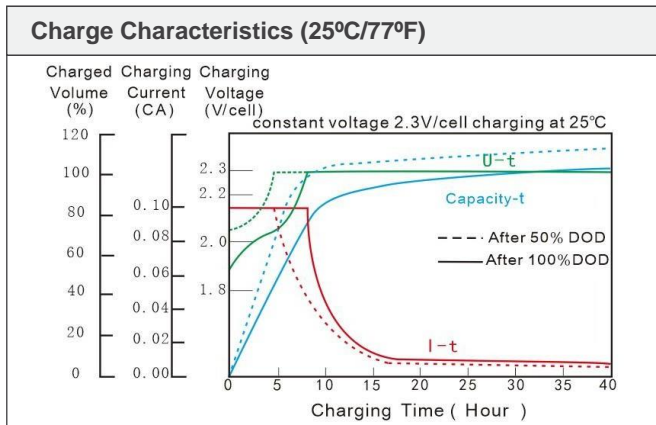
Cycle Application
1. Limit initial current less than 33.75A.
2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).
3. Hold at 14.1V to 14.4V until current drop to under 0.81A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby Service
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 33.75A 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.

NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation
VRLA AGM Battery | BT-HSE-135-12[12V135Ah]

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 25°C)													
10.20	425	324	244	129	120	84.4	66.6	55.8	35.0	24.29	17.28	14.31	7.12
10.50	378	297	228	124	115	81.0	64.0	53.8	33.8	23.19	16.34	14.04	7.06
10.80	351	270	214	120	109	77.6	61.4	51.7	32.7	22.19	15.53	13.50	6.96
Constant Power Discharge Data Sheet (Watt at 25°C)													
10.20	4226	3578	2575	1618	1215	1056	770	579	432	279	207	176	91.9
10.50	4064	3038	2311	1580	1188	1040	758	560	418	270	204	170	89.1
10.80	3780	2835	2207	1546	1148	992	724	541	404	261	201	162	87.1

Performance Characteristics



FACTORY ADDRESS:
Road No.6, An Phuoc IP, An Phuoc Ward, Long Thanh District,
Dong Nai Province, Vietnam

☎ 0084-978366669
📠 0084-2513686918

✉ sales@saite.vn
🌐 www.saite.vn