



SAITE
SAITE POWER SOURCE (VIETNAM) CO., LTD.



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VRLA AGM Battery

BT-12M26AT(W)[12V26Ah]



General Features

- Designed floating charging service life: 8 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

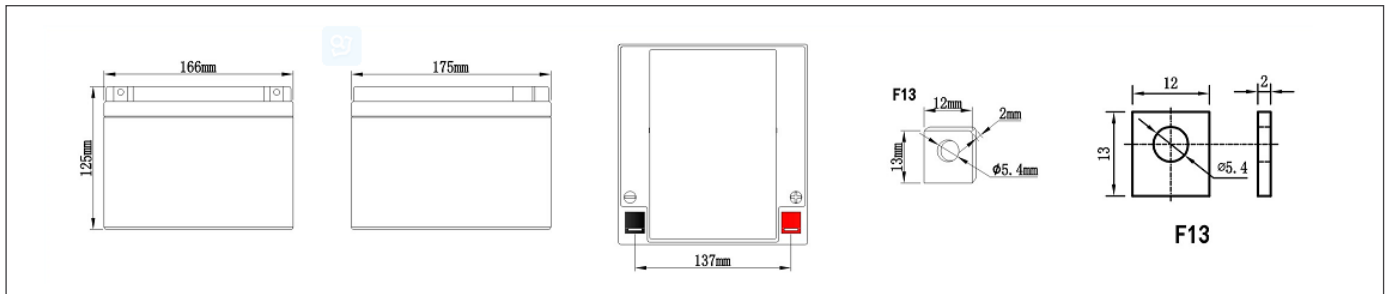
Application

- DC power supply
- Medical equipments
- UPS/EPS power supply
- Emergency lighting systems
- Alarm and security systems

Physical Specifications

Nominal Voltage	Nominal Capacity (20HR)	Dimension				Weight ±2%	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
12V	26AH	175±2mm	166±2mm	125±2mm	125±2mm	Approx 7.40kg (16.31lbs)	≈14.2 mΩ	F13 (standard)

Dimensions



Constant-Voltage Charge

Rated Capacity	
20 hour rate (1.30A)	26.60AH
10 hour rate (2.60A)	24.90AH
5 hour rate (4.42A)	22.10AH
27 minute rate (26A)	11.70AH
7 minute rate (78A)	9.10AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

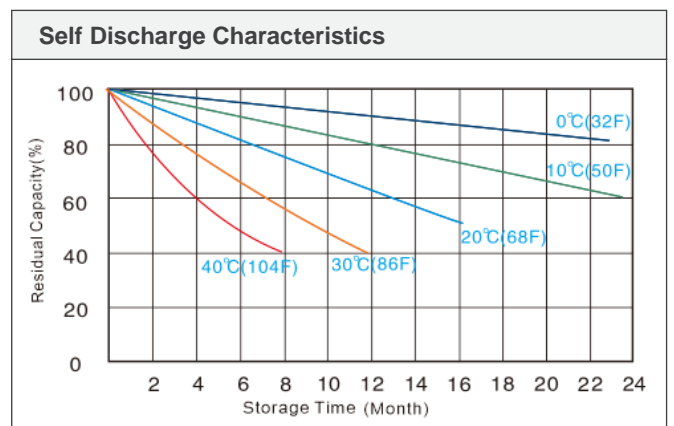
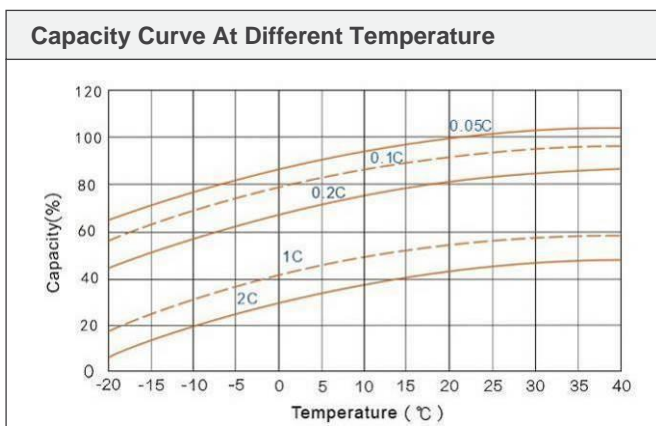
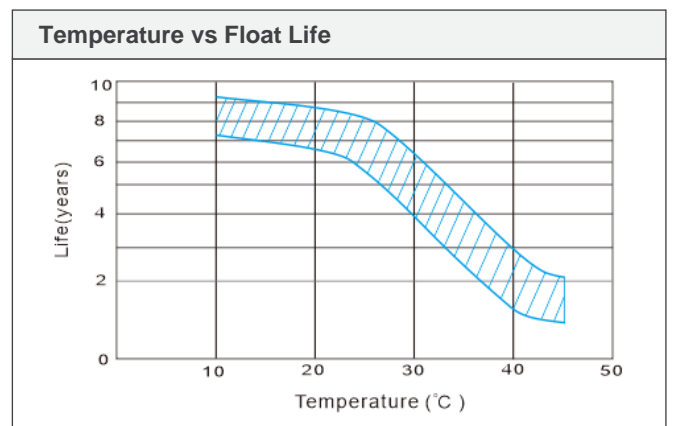
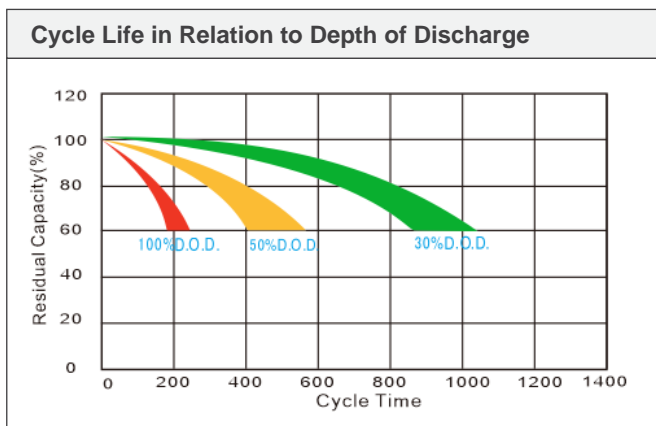
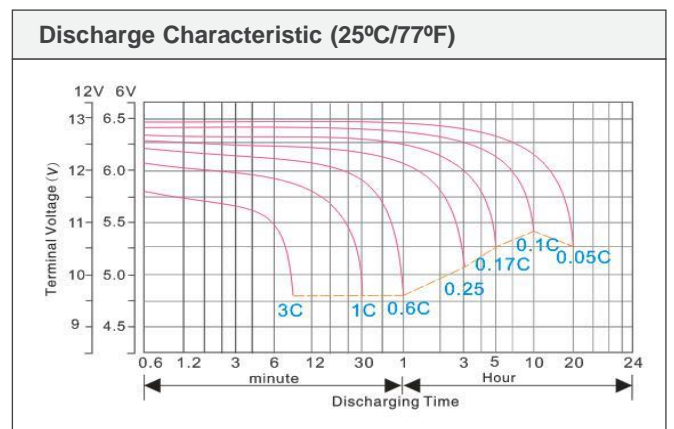
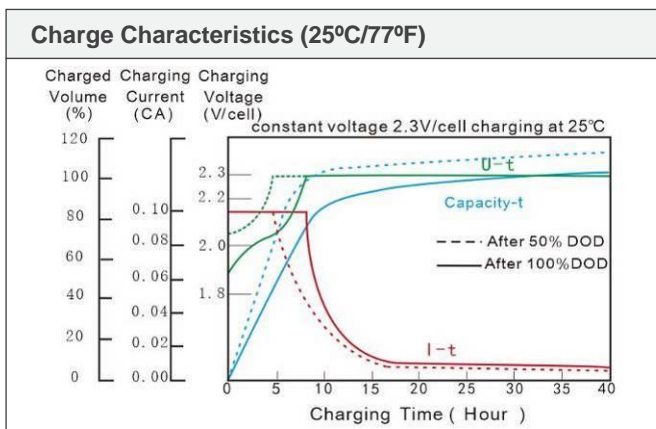
Cycle Application
1. Limit initial current less than 6.5A.
2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).
3. Hold at 14.1V to 14.4V until current drop to under 0.156A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby Service
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 6.5A 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.

NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation

Battery Discharge Table

End Voltage (V)	Minute (M)				Hour (H)							
	10	15	30	45	1	1.5	2	3	5	8	10	20
Constant Current Discharge Data Sheet (@25°C) Unit: A												
9.6V	69.7	54.6	27.9	19.7	16.5	13.1	9.78	7.38	4.74	3.14	2.60	1.38
9.9V	66.7	52.0	26.6	19.0	16.1	12.8	9.56	7.21	4.61	3.08	2.57	1.36
10.2V	63.6	49.4	25.3	18.4	15.8	12.5	9.32	7.04	4.50	3.02	2.55	1.35
10.5V	62.6	49.1	25.1	18.2	15.7	12.3	8.96	6.81	4.42	2.98	2.53	1.33
10.8V	61.5	48.5	24.8	17.7	15.6	12.1	8.61	6.57	4.34	2.95	2.49	1.31
Constant Power Discharge Data Sheet (@25°C) Unit: W												
9.6V	775	628	355	251	187	144	109	77	50.9	35.5	28.1	15.2
9.9V	738	598	338	242	183	140	105	76	49.6	34.7	28.0	15.1
10.2V	702	569	322	234	179	136	103	74	48.5	34.1	27.6	14.9
10.5V	679	552	314	230	176	135	102	72	47.8	33.9	27.1	14.7
10.8V	654	535	306	224	173	132	100	71	47.2	33.5	26.6	14.5

Performance Characteristics



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☆The datasheet subjects to change without prior notice, please contact with us if have any questions.