

## VRLA AGM Battery BT-12M26AT [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, approx. 3% of capacity per month at 20°C (average).
- Wide operating temperature range from 0°C~40°C.
- Lead-Aluminum-Calcium-Tin alloy high energy, prevent corrosion.

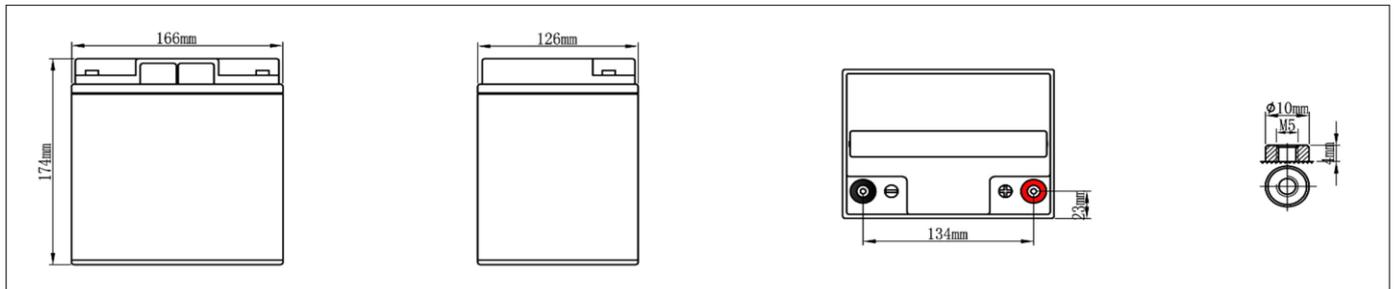
### Applications

- 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 (20HR)	Dimension				Weight ±3%	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
12V	26Ah	175±2mm	166±2mm	125±2mm	125±2mm	Approx 8.0kg (17.85lbs)	≤12.00mΩ	T05 (standard)

### Dimensions



### Constant-Voltage Charge

Rated Capacity	
20 hours rate (1.38A to 10.8V)	27.6Ah
10 hours rate (2.6A to 10.8V)	26.0Ah
5 hours rate (4.67A to 10.5V)	23.35Ah
3 hours rate (7.18A to 10.5V)	21.54Ah
1 hours rate (16.66A to 10.2V)	16.66Ah
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 7.0A
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 0.17A 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 7.0A 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

**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 Volts/Cell	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
<b>Constant Current Discharge Data Sheet (@25°C) Unit: A</b>													
1.70	102.4	66.65	52.26	26.72	19.33	16.66	13.22	9.83	7.41	4.74	3.17	2.66	1.43
1.75	101.6	66.16	51.77	26.43	19.13	16.47	12.99	9.46	7.18	4.67	3.16	2.63	1.41
1.80	100.6	65.37	51.27	26.13	18.83	16.37	12.74	9.09	6.94	4.58	3.12	2.60	1.38
<b>Constant Power Discharge Data Sheet (@25°C) Unit: W</b>													
1.70	185.0	133.5	108.0	61.00	44.53	33.85	25.95	19.52	13.9	9.18	6.47	5.23	2.82
1.75	177.3	129.0	104.8	59.83	43.38	33.37	25.57	19.25	13.6	9.08	6.42	5.15	2.78
1.80	168.2	124.2	101.3	58.00	42.40	32.70	25.20	18.97	13.3	8.97	6.35	5.07	2.73

## Performance Characteristics

