



**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

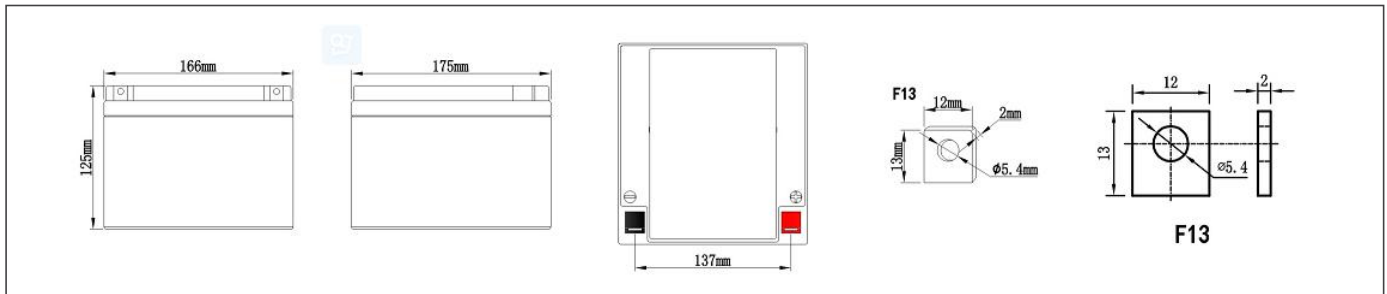
### Application

- DC power supply
- Medical equipments
- UPS/EPS power supply
- Telecom stations and power station

### Physical Specifications

Nominal Voltage	Nominal Capacity (20HR)	Dimension				Weight ±2%	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
12V	26AH	166±2mm	175±2mm	125±2mm	125±2mm	Approx 7.70kg (16.97lbs)	≈10.2mΩ	F13 (standard)

### Dimensions



### Constant-Voltage Charge

Rated Capacity	
20 hour rate (1.30A)	26.0AH
10 hour rate (2.60A)	24.2AH
5 hour rate (4.42A)	22.1AH
27 minute rate (26A)	12.7AH
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 0.16A 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 13.6to 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)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
<b>Constant Current Discharge Data Sheet (Amperes at 25°C)</b>													
10.20	98.0	63.8	50.0	25.5	18.5	15.9	12.65	9.41	7.10	4.54	3.04	2.47	1.31
10.50	97.1	63.3	49.6	25.3	18.3	15.8	12.42	9.05	6.88	4.47	3.02	2.44	1.30
10.80	96.1	62.6	49.1	25.0	17.9	15.7	12.19	8.69	6.64	4.38	2.99	2.38	1.27
<b>Constant Power Discharge Data Sheet (Watt at 25°C)</b>													
10.20	1017	732	594	335	244	186	143	107	76.5	50.4	35.5	28.8	15.5
10.50	974	709	575	328	239	183	140	106	74.8	49.9	35.2	28.3	15.3
10.80	924	682	557	318	233	180	138	104	73.5	49.3	34.9	27.8	15.0

## Performance Characteristics

