

MinuteBank

VRLA AGM Battery

BT-12M9.0AC[12V9.0Ah]



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

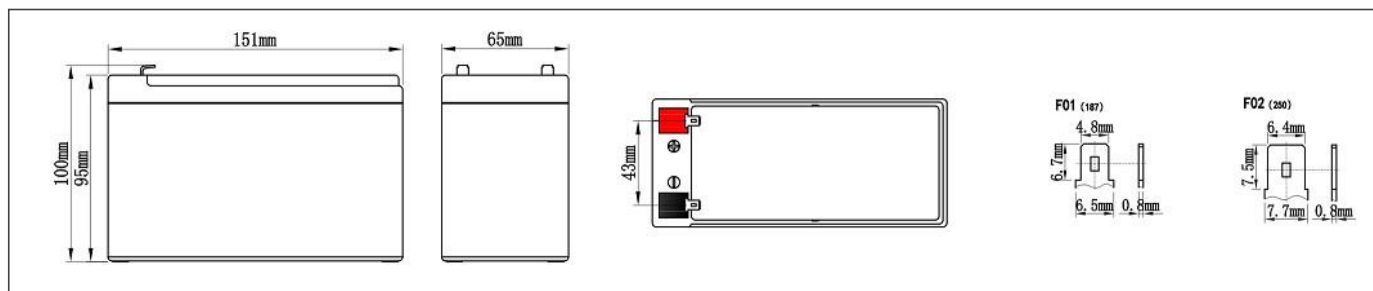
Application

- DC power supply
- UPS/EPS power supply
- Electrical devices & instruments
- Security and fire alarm systems
- Telecom stations and power stations
- Medical equipments
- 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	9.0AH	151±2mm	65±2mm	95±2mm	100±2mm	Approx 2.55kg (5.62lbs)	≈13.5 mΩ	F01/F02 (standard)

Dimensions



Battery Discharge Table

End Voltage (V)	Minute (M)						Hour (H)									
	5	10	15	20	30	45	1	1.5	2	3	4	5	6	8	10	20
Constant Current Discharge Data Sheet (Amperes at 25°C)																
10.20	33.3	21.7	17.0	12.2	8.72	6.29	5.40	4.31	3.21	2.42	1.82	1.59	1.38	1.04	0.853	0.459
10.50	33.0	21.2	16.8	12.0	8.59	6.22	5.37	4.23	3.08	2.34	1.78	1.56	1.36	1.03	0.844	0.455
10.80	32.6	20.5	16.7	11.9	8.51	6.15	5.32	4.14	2.96	2.25	1.73	1.53	1.34	1.02	0.836	0.450
Constant Power Discharge Data Sheet (Watt at 25°C)																
10.20	362	261	211	155	119.3	86.98	66.17	50.75	38.18	27.25	22.86	17.96	16.36	12.65	10.24	5.51
10.50	347	252	205	150	116.8	84.98	65.12	50.01	37.64	26.63	22.34	17.75	16.20	12.55	10.08	5.43
10.80	329	243	198	144	113.5	82.82	64.04	49.26	37.10	26.17	21.82	17.55	16.02	12.42	9.91	5.36

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

Constant-Voltage Charge

Rated Capacity		Cycle Application
20 hour rate (0.45A)	9.00AH	
10 hour rate (0.90A)	8.30AH	
5 hour rate (1.53A)	7.45AH	
27 minute rate(9.0A)	4.50AH	
7 minute rate (27.0A)	3.60AH	
Capacity affected by Temperature		Standby Service
40°C(104°F)	103%	
25°C(77°F)	100%	
0°C(32°F)	86%	
		1. Hold battery across constant voltage source of 13.6to 13.8 volts with current limit2.25A 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.

Performance Characteristics

