

SAITE POWER SOURCE (VIETNAM) CO., LTD

VRLA AGM Battery

BT-12M7.0AT[12V7.0Ah]

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 $0^{\circ}\text{C}{\sim}40^{\circ}\text{C}$
- Lead Aluminum calcium Tin alloy high energy, prevent corrosion



Application

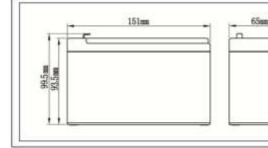
• UPS/EPS power supply

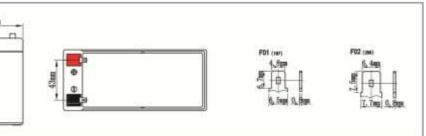
- DC power supplyMedical equipments
- Emergency lighting systems
- Alarm and security systems

Description Physical Specifications

Nominal	Nominal		Dime	nsion			Internal	Standard		
Voltage	Capacity (20HR)	L	W H		TH	Weight ±3%	Resistance (In full charge status)	Terminals		
12V	7.0AH	151±2mm	65±2mm	93.5±2mm	99.5±2mm	Approx2.04kg (4.50lbs)	≈26 mΩ	F01/F02 (standard)		

M Dimensions





Constant-Voltage Charge

Rated Capacity		Cycle Application							
20 hour rate (0.35A)	7.01AH	1. Limit initial current less than1.75A.							
10 hour rate (0.70A)	6.55AH	2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).							
5 hour rate (1.19A)	5.80AH	3. Hold at 14.1V to 14.4V until current drop to under 0.042A for at least 3 hours.							
27 minute rate(7.0A)	3.50AH	4. Temperature compensation coefficient of charging voltage is -30mV/°C.							
7 minute rate (21.0A) 2.45AH		Standby Service							
Capacity affected by Temperature		1. Hold battery across constant voltage source of 13.6to 13.8 volts with current							
40°C(104°F)	103%	limit1.75A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status.							
25°C(77°F)	100%	2. Temperature compensation coefficient of charging voltage is -18mV/°C.							
0°C(32°F)	86%								

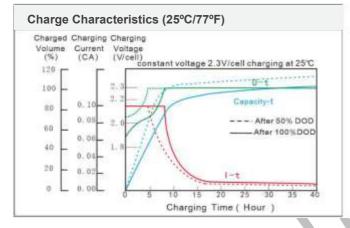
A NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation

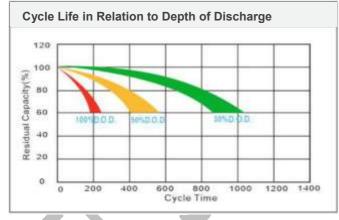


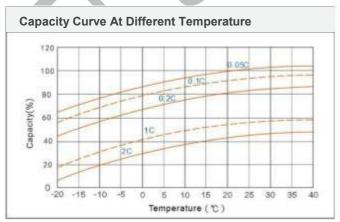
Battery Discharge Table

End Voltage (V)	Minute (M)						Hour (H)						
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
Constant Current Discharge Data Sheet (Amperes at 25°C)													
10.20	26.3	17.1	13.4	6.84	4.96	4.24	3.38	2.52	1.90	1.22	0.820	0.672	0.360
10.50	26.1	16.9	13.3	6.78	4.91	4.21	3.32	2.43	1.84	1.19	0.810	0.666	0.356
10.80	25.8	16.7	13.1	6.71	4.86	4.18	3.26	2.33	1.78	1.17	0.800	0.659	0.351
Constant Power Discharge Data Sheet (Watt at 25°C)													
10.20	282	203.4	164.7	93.00	67.80	51.58	39.56	29.76	21.24	14.00	9.86	7.98	4.30
10.50	270	196.7	159.8	91.08	66.24	50.76	38.98	29.34	20.76	13.84	9.78	7.86	4.24
10.80	256	189.4	154.6	88.44	64.56	49.92	38.40	28.92	20.40	13.68	9.68	7.73	4.18

Performance Characteristics

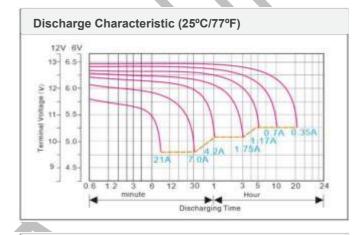


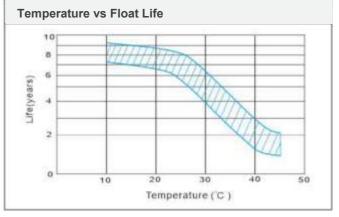


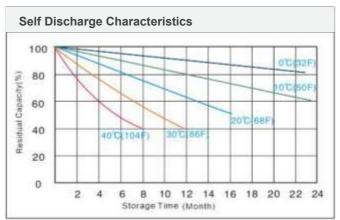




Saite Power Source (Vietnam) Co.,Ltd Road No.6, An Phuoc IP, An Phuoc Ward, Long Thanh District, Dong Nai Province, Vietnam







🐛 0084-2513686919 🛛 💌 sales@saitebattery.vn