

VRLA AGM Battery

BT-HSE-200-12 [12V200Ah]



General Features

- Designed floating charging service life: 12 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

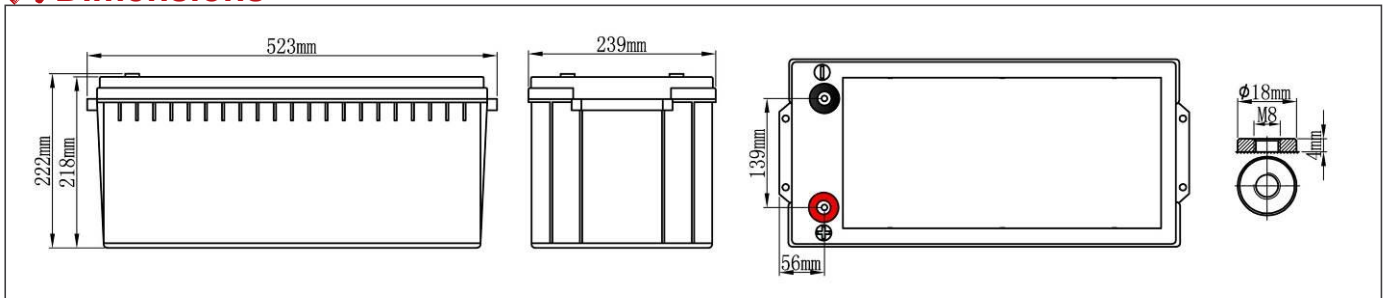
Application

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

Physical Specifications

Nominal Voltage	Nominal Capacity (10HR)	Dimension				Weight ±2%	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
12V	200AH	523±3mm	239±2mm	218±3mm	222±3mm	Approx 59.5kg (131.2lbs)	≈3.2 mΩ	T41 (standard)

Dimensions



Battery Discharge Table

End Voltage	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	488	386	217	187	127	100.5	85.4	53.8	37.1	24.9	21.3	11.2
9.9V	465	368	207	181	124	98.5	83.4	52.3	36.2	24.5	21.1	11.1
10.2V	443	350	197	175	122	96.5	81.4	51.3	35.3	24.0	20.9	11.0
10.5V	422	333	188	169	119	93.5	79.4	49.7	34.9	23.5	20.7	10.9
10.8V	402	318	179	163	116	91.5	77.4	48.7	33.6	23.1	20.5	10.8
Constant Power Discharge Data Sheet (@25°C) Unit: W												
9.6V	4831	4215	2664	1867	1553	1134	847	631	408	309	239	128
9.9V	4601	4014	2536	1803	1516	1104	827	617	398	303	237	127
10.2V	4382	3823	2416	1744	1478	1077	806	601	388	296	234	125
10.5V	4173	3640	2301	1684	1441	1051	786	586	378	291	232	124
10.8V	3974	3467	2191	1626	1406	1026	767	572	368	285	230	123

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

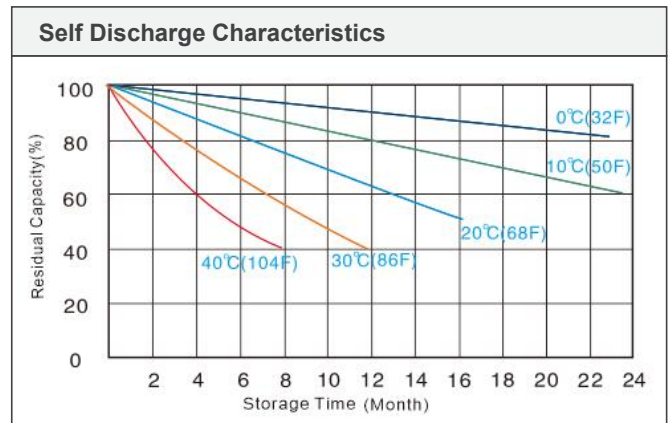
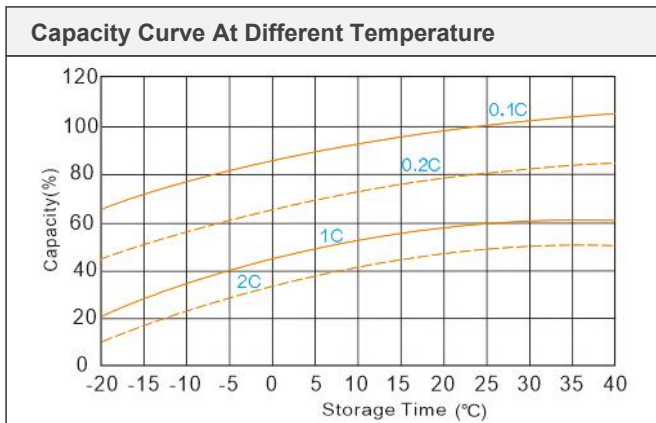
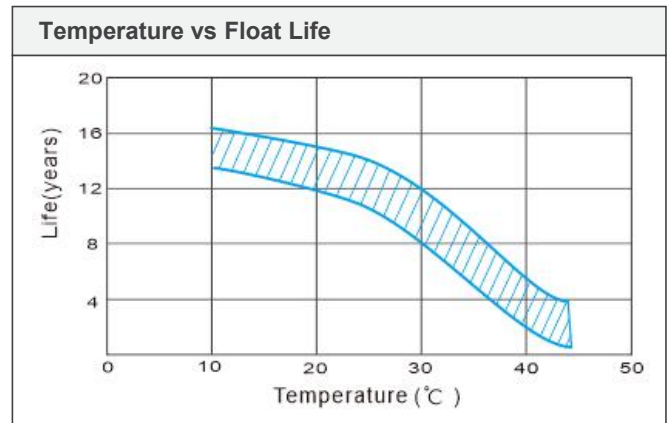
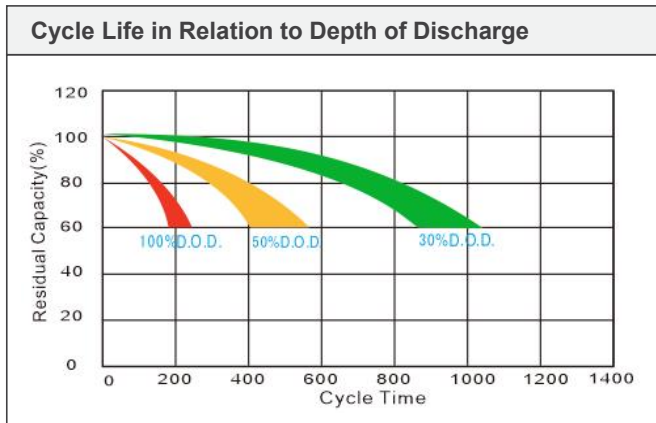
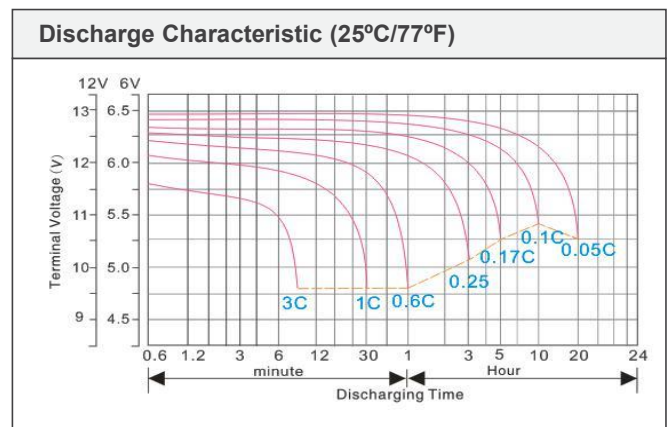
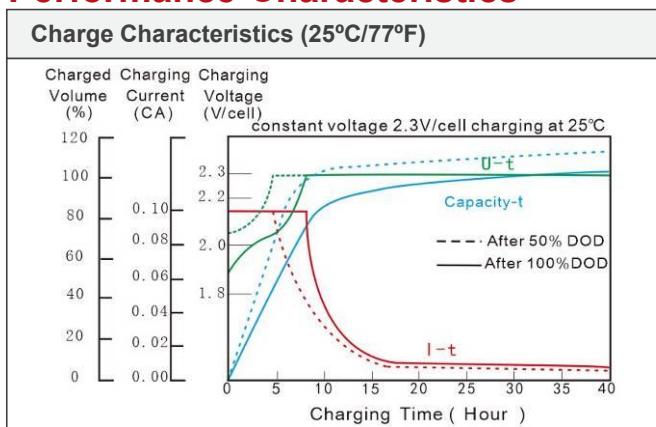
Rated Capacity	
20 hour rate (10.25A)	218.0AH
10 hour rate (20.5A)	205.0AH
5 hour rate (34.85A)	174.5AH
3 hour rate (51.25A)	153.9AH
1 hour rate (123.0A)	127.0AH

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 51.25A.
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 1.23A 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 51.25A 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



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

