

VRLA AGM Battery

BT-HSE-250-12 [12V250Ah]



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

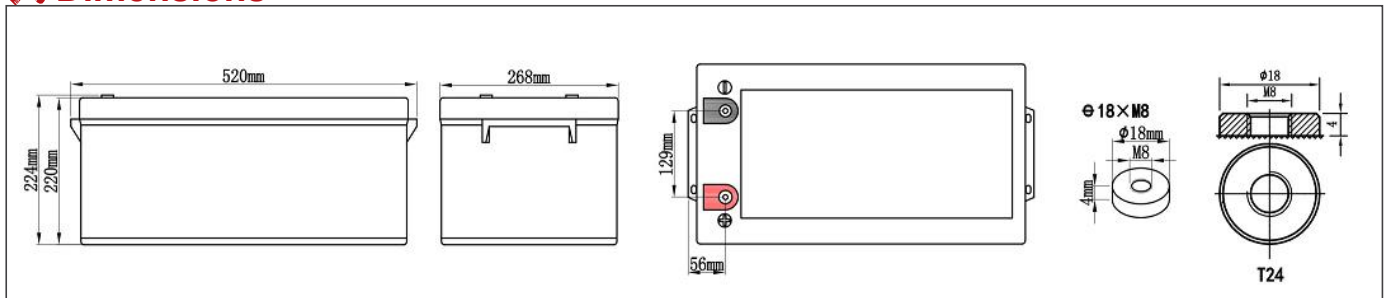
Application

- 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	250AH	520±3mm	268±2mm	220±3mm	224±3mm	Approx 72.0kg (158.7lbs)	≈2.9 mΩ	T24 (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	595	470	266	227	154	123	104	66	46.1	31.1	26.3	13.7
9.9V	567	449	253	221	151	120	102	64	44.9	30.6	26.1	13.6
10.2V	540	426	240	213	149	118	99	63	43.9	29.9	25.8	13.5
10.5V	515	406	228	206	143	114	97	61	42.9	29.3	25.6	13.4
10.8V	490	387	218	198	139	112	94	60	41.8	28.8	25.3	13.2
Constant Power Discharge Data Sheet (@25°C) Unit: W												
9.6V	5580	4869	3231	2264	1883	1374	1027	766	496	374	291	156
9.9V	5316	4625	3077	2189	1839	1340	1003	749	482	367	288	155
10.2V	5061	4417	2930	2115	1793	1308	978	730	470	360	284	152
10.5V	4820	4205	2792	2044	1750	1276	955	713	459	353	281	151
10.8V	4591	4005	2658	1974	1706	1243	931	694	448	346	278	150

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

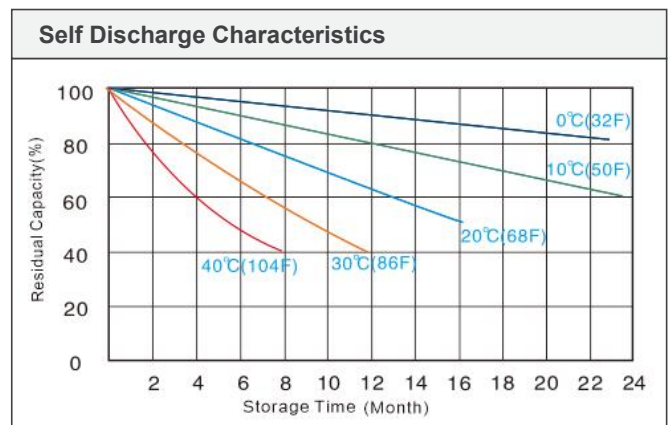
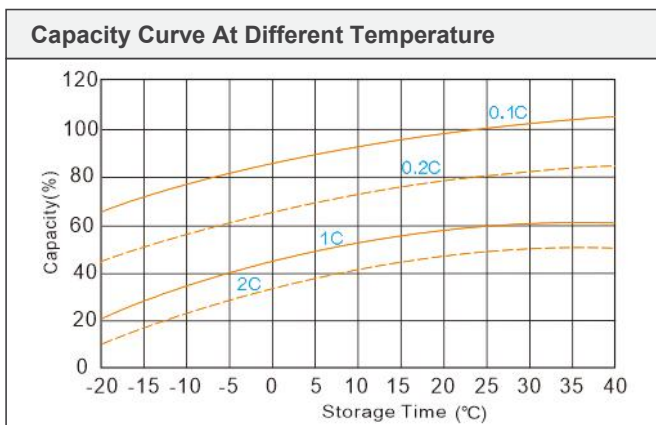
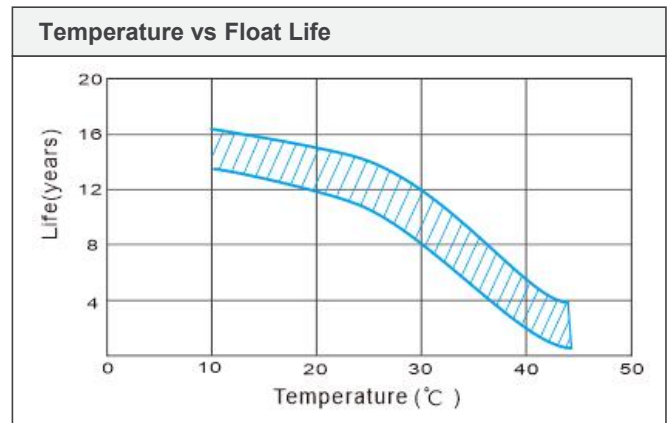
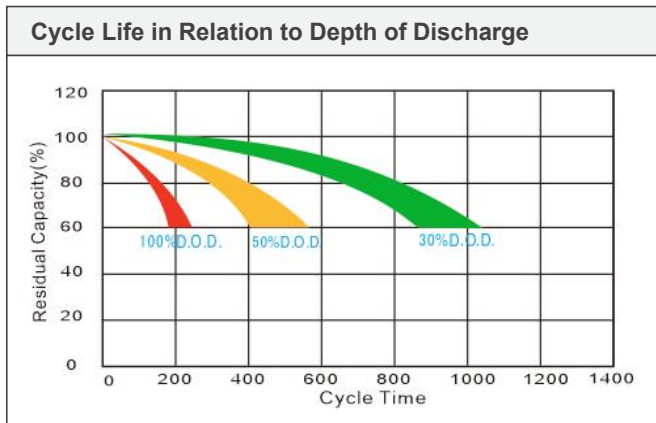
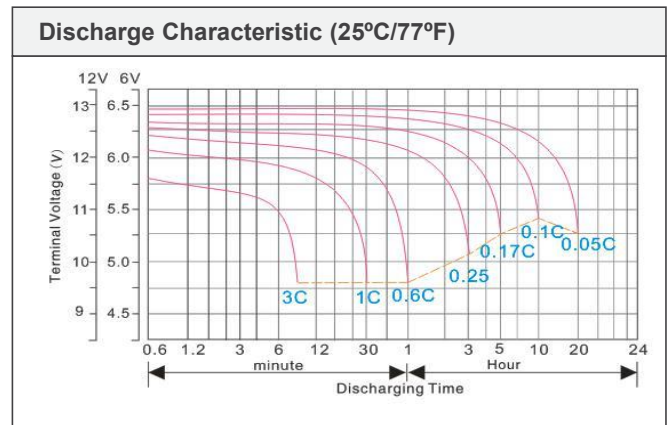
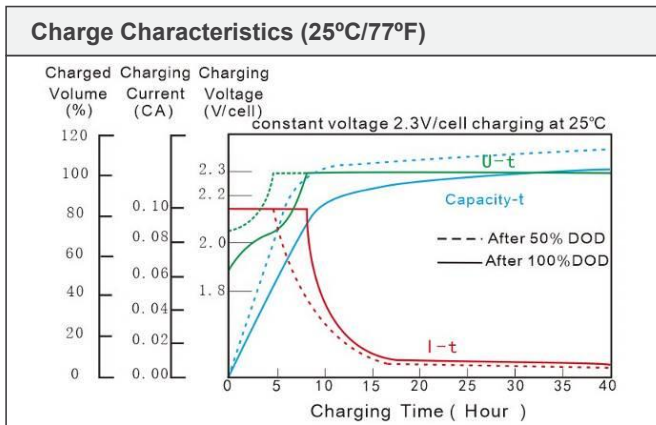
Rated Capacity	
20 hour rate (12.5A)	268.0AH
10 hour rate (25.0A)	253.0AH
5 hour rate (42.5A)	214.5AH
3 hour rate (62.5A)	189.0AH
1 hour rate (150.0A)	154.0AH

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 62.5A.
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 1.50A 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 62.5A 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.

Performance Characteristics



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

