

VRLA AGM Battery

BT-HSE-150-12 [12V150Ah]



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

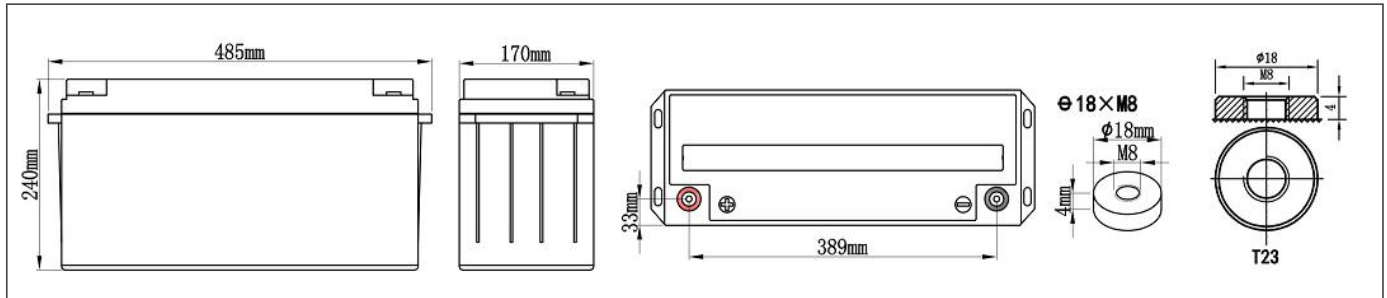
Application

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

Physical Specifications

Nominal Voltage	Nominal Capacity** (10HR)	Dimension				Weight ±2%	Internal Resistance (In full charge status)	Standard Terminals
				H	TH			
12V	150AH	485±3mm	170±2mm	240±3mm	240±3mm	Approx 43.5kg (95.7lbs)	≈3.4mΩ	T23 (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	361	285	160	138	94	74	63	39.6	27.3	18.5	15.6	8.06
9.9V	344	271	152	133	92	72	61	38.6	26.7	18.1	15.4	8.01
10.2V	328	258	146	129	90	71	60	37.5	26.1	17.7	15.3	7.95
10.5V	312	247	139	124	87	69	58	36.7	25.5	17.4	15.1	7.90
10.8V	297	235	132	120	85	67	57	35.8	24.9	17.0	15.0	7.85
Constant Power Discharge Data Sheet (@25°C) Unit: W												
9.6V	3711	3249	1985	1391	1159	844	631	472	303	231	178	96
9.9V	3534	3090	1891	1345	1130	822	618	460	296	226	177	95
10.2V	3366	2946	1802	1299	1102	804	601	448	290	221	175	94
10.5V	3206	2807	1715	1255	1076	784	588	438	281	216	173	93
10.8V	3053	2672	1633	1212	1049	764	572	427	274	214	171	92

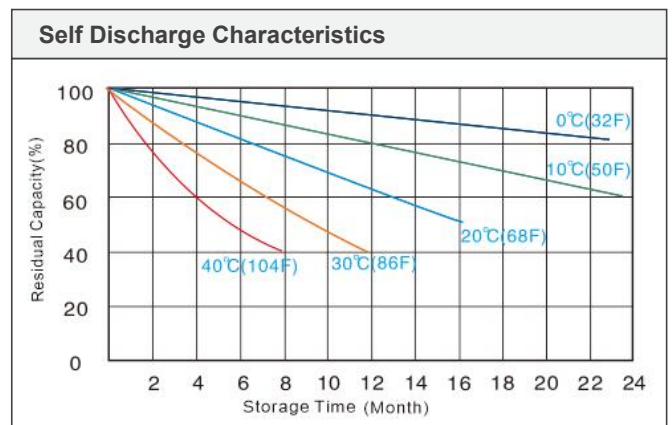
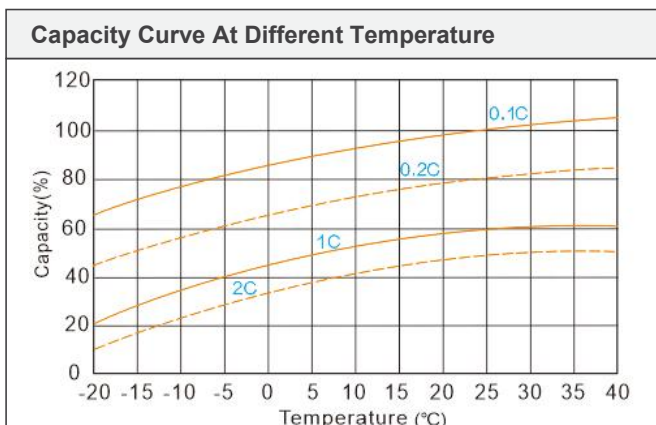
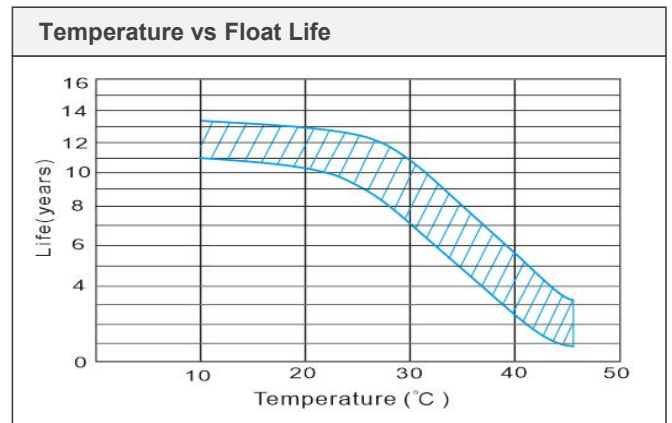
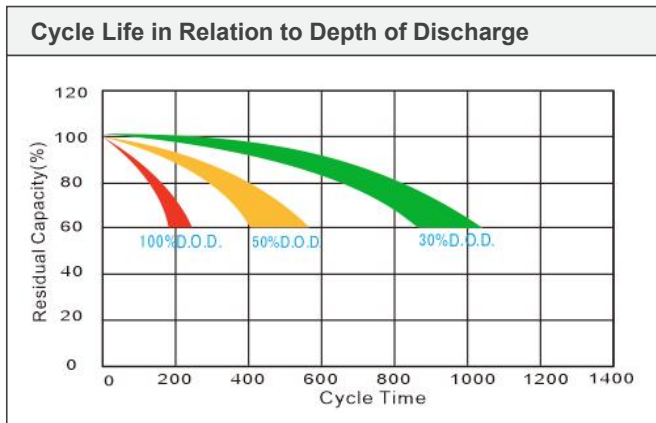
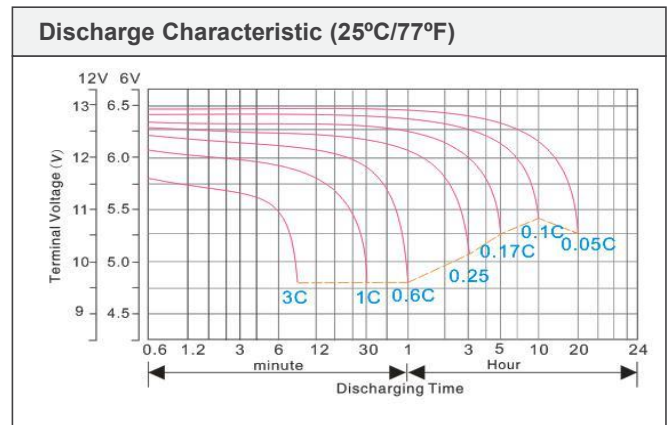
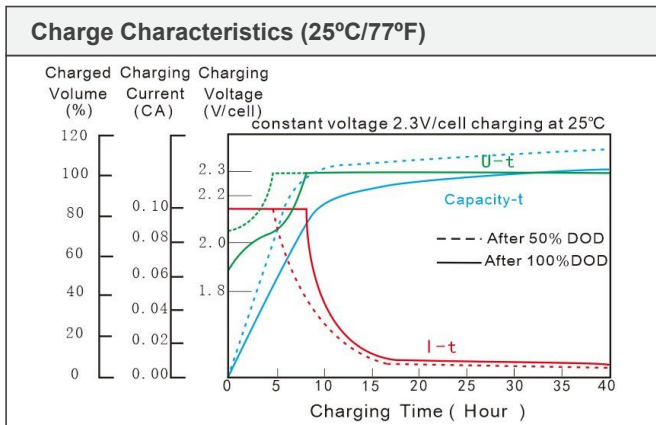
NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation

Constant-Voltage Charge

Rated Capacity	
20 hour rate (7.5A)	158.0AH
10 hour rate (15.0A)	150.0AH
5 hour rate (25.5A)	127.5AH
3 hour rate (37.5A)	112.5AH
1 hour rate (90.0A)	94.0AH
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 37.5A.
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 0.90A 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 37.50A 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.