

HT Series General Battery

Spaceflight HT Series VRLA batteries are designed with AGM technology, high performance plates and technology to give extra power output for common power backup system. HT series batteries are the general purpose with 5-8 years floating design life at 25°C

Applications

- Uninterruptible Power Supply (UPS)
- Emergency backup power supply
- Auto control system
- Communication power supply
- Alarm and security system
- Electric Power System (EPS)

General Features

- 10-12 years design life(25°C)
- Non-spillable construction
- Sealed and maintenance-free
- High reliability and stability
- High purity raw material: long life and low self-discharge

Standards

- Compliance with IEC, BS, JIS and EU standards.
- UL, CE Certified
- ISO45001,ISO9001 and ISO14001 certified production facilities

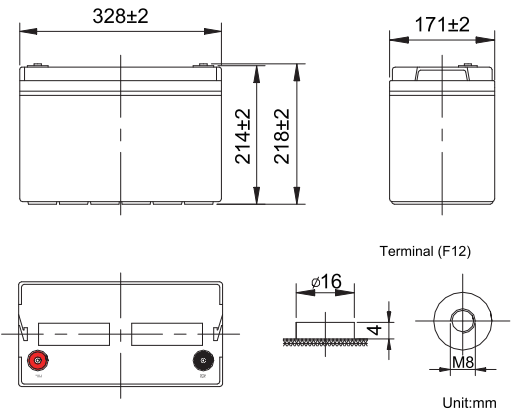
Specifications

Rated Voltage	12V	
Nominal Capacity	117Ah	(C ₂₀ , 10.5V)
Approx Weight	32.5kg±3%(71.6lbs)	
Terminal	F12	
Rated Capacity(25°C)	117 Ah	(20hr,5.85A,10.5V)
	108 Ah	(10hr,10.8A,10.8V)
	95 Ah	(5hr,19A,10.5V)
	65 Ah	(1hr,65A,9.6V)
Max.Discharge Current	1000A(5s)	
Max.Charge Current	30A	
Internal Resistance(25°C)	Approx 4mΩ	
Operating Temp.Range	Discharge	-20~60°C(-4~140°F)
	Charge	-10~50°C(14~122°F)
	Storage	-20~60°C(-4~140°F)
Nominal operating temperature	25±5°C	
Charge Voltage @25°C(77°F)	Cycle Use	Initial Charging Current less than 30A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 30A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C
Temperature effects on capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
Self Discharge(25°C)	Capacity after 3 months storage	91%
	Capacity after 6 months storage	82%
	Capacity after 12 months storage	65%



Dimensions

unit:mm



Length	328±2mm (12.9 inches)
Width	171±2mm (6.74 inches)
Container Height	214±2mm (8.43 inches)
Total Height	218±2mm (8.58 inches)

Battery Construction

Component	Positive plate	Negative plate	Container	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS(UL94-HB) or FR(UL94-V0)	Rubber	Copper	Fiberglass	Sulfuric acid

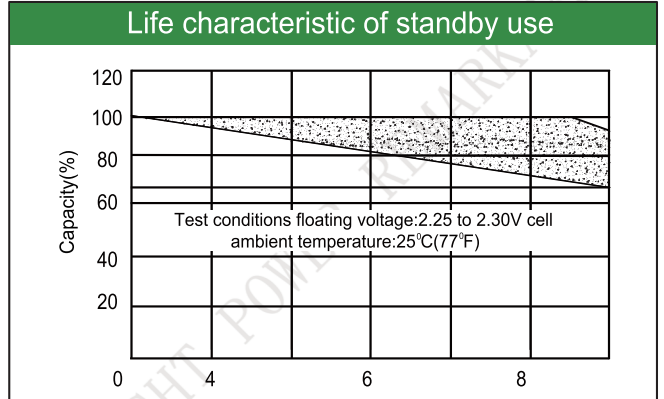
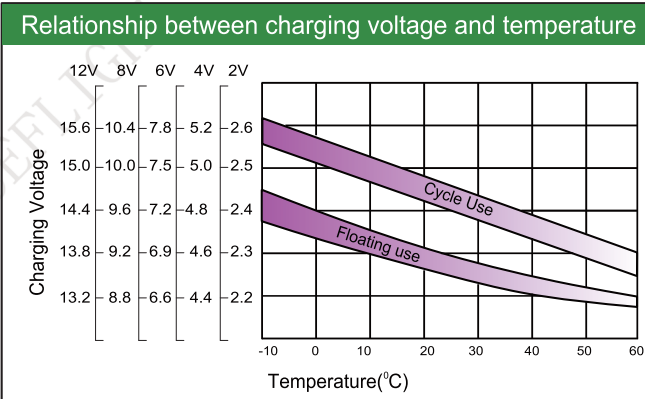
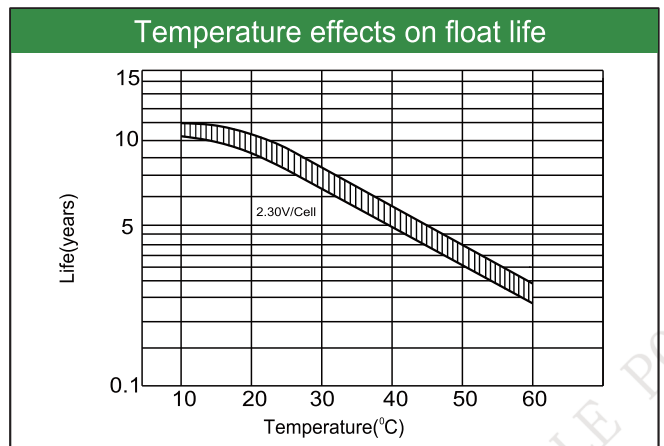
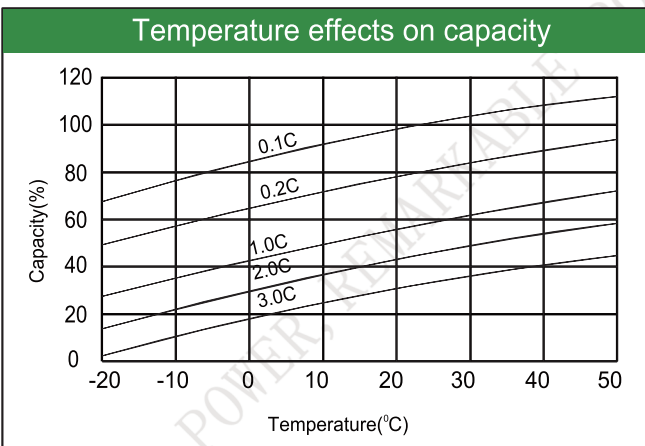
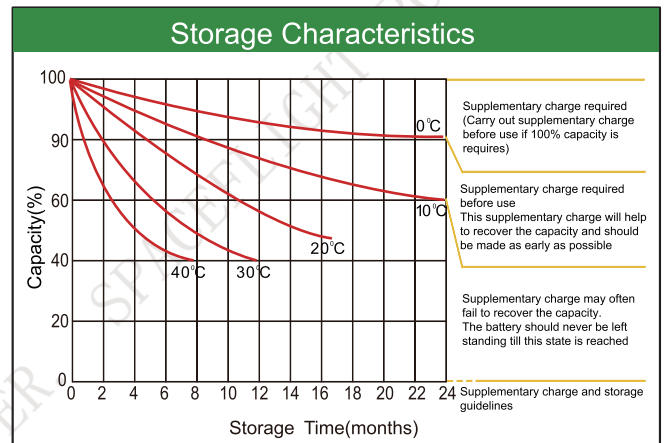
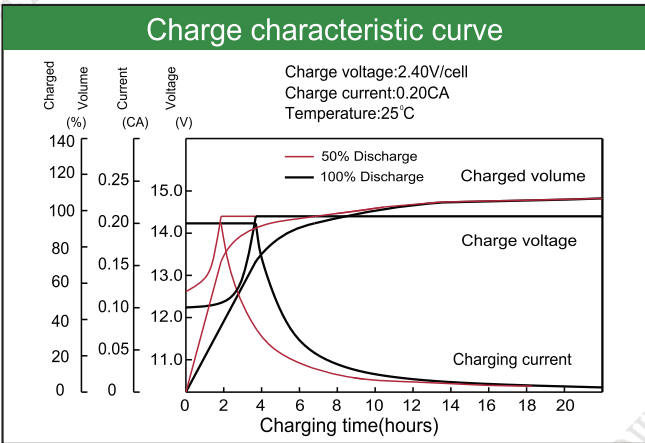
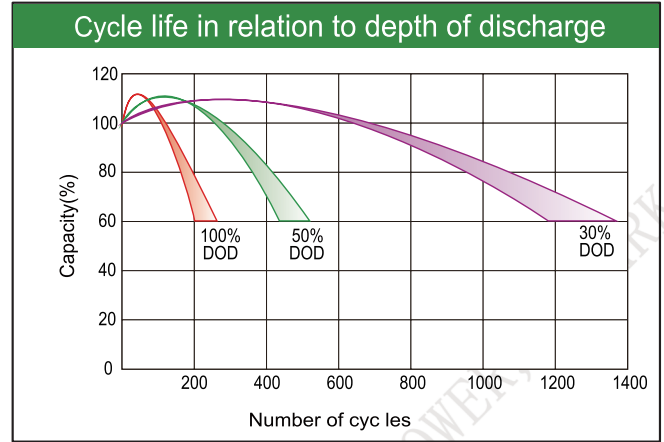
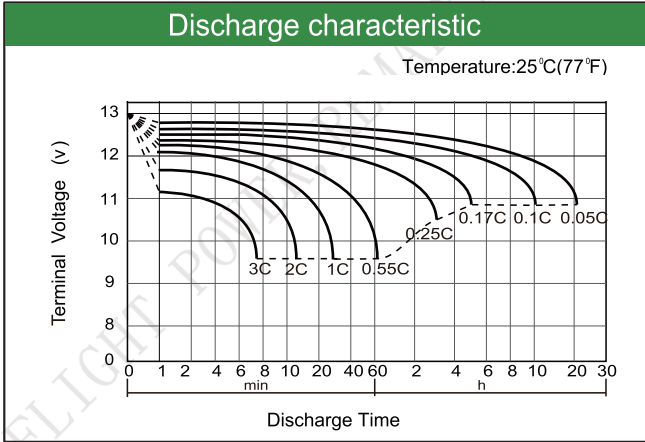
Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	315	239	180	113	65.0	31.2	19.8	11.1	5.99
1.65V	299	228	175	108	63.9	30.7	19.4	11.1	5.94
1.70V	281	215	166	103	62.6	30.0	19.2	11.0	5.90
1.75V	261	202	157	97	61.2	29.2	19.0	10.9	5.85
1.80V	239	185	146	90	59.4	28.3	17.8	10.8	5.75

Constant Power Discharge (Watts/cell) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	545	405	342	207	162	129	70.2	52.3	36.7
1.65V	511	385	329	201	158	127	68.9	51.5	36.1
1.70V	480	363	312	192	153	125	67.1	50.4	35.4
1.75V	455	338	294	183	148	122	65.3	49.2	34.7
1.80V	426	311	275	171	140	119	63.0	47.9	33.8

Note: The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum.



Factory address: Fukang Industrial Zone, Longnan, Ganzhou, Jiangxi Province, China.
 Shenzhen Office: RM208-210, Building D, Tongju industrial Park, No.4, Longping West Road, Longgang District, Shenzhen.
 TEL: +86-755-28288189 sales@sfbattery.com www.sfbattery.com