

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

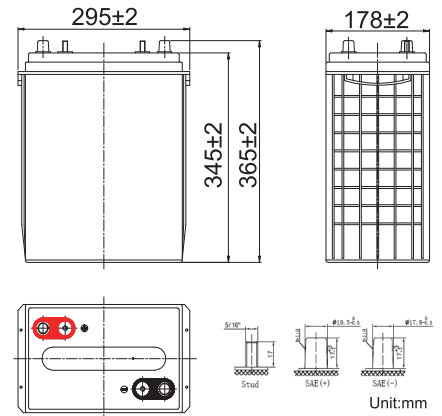
Specifications

Rated Voltage	6V	
Nominal Capacity	300Ah	(C ₁₀ ,5.4V)
Approx Weight	47kg±3%(103.6lbs)	
Terminal	F12(AM)	
Rated Capacity(25°C)	312 Ah	(20hr,15.6A,5.25V)
	300 Ah	(10hr,30A,5.4V)
	270 Ah	(5hr,54A,5.25V)
	195 Ah	(1hr,195A,4.8V)
Max.Discharge Current	3000A(5s)	
Max.Charge Current	75A	
Internal Resistance(25°C)	Approx 1.5mΩ	
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 75A. Voltage 7.2V~7.5V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 75A. Voltage 6.75V~6.9V 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	295±2mm (11.6 inches)
Width	178±2mm (7.01 inches)
Container Height	345±2mm (13.6 inches)
Total Height	365±2mm (14.4 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

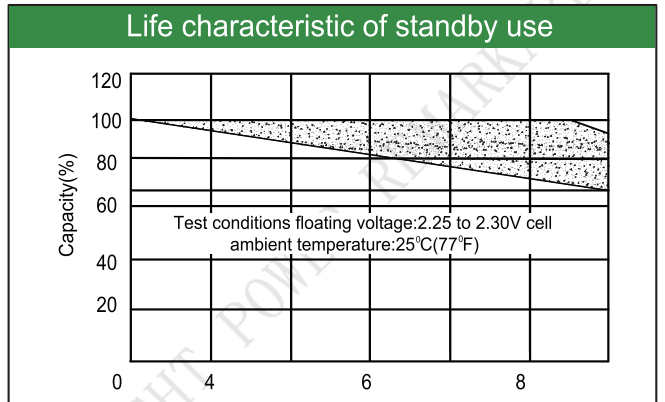
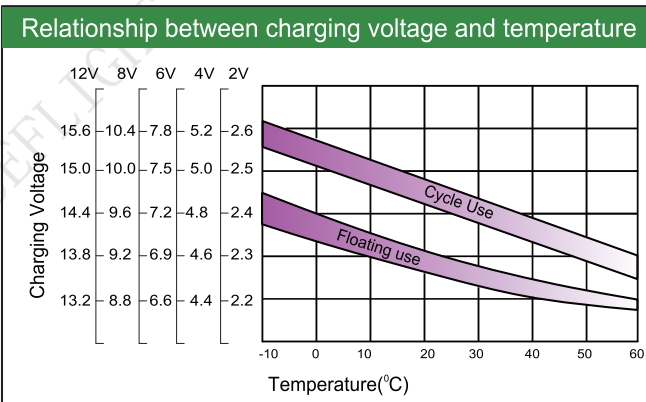
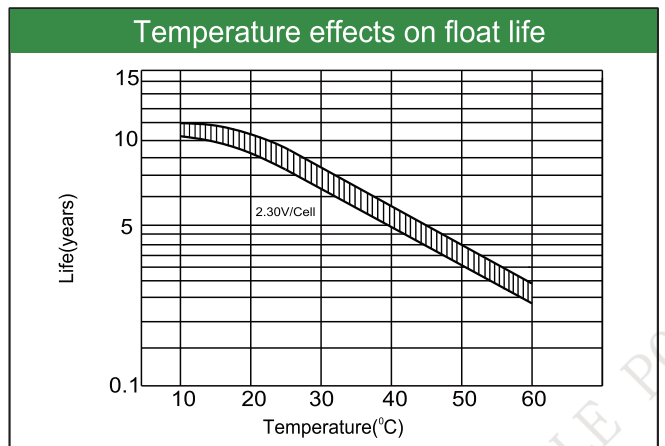
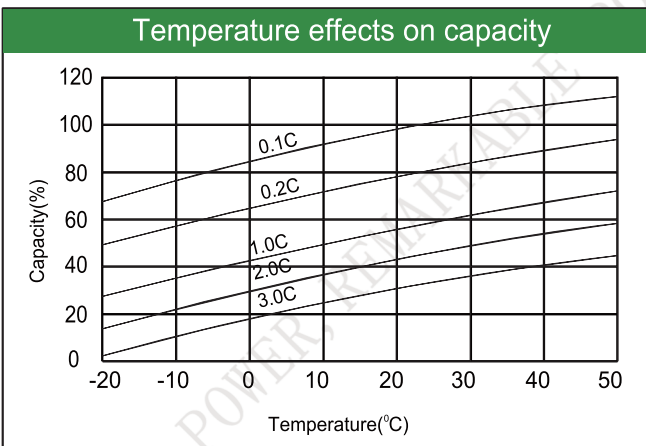
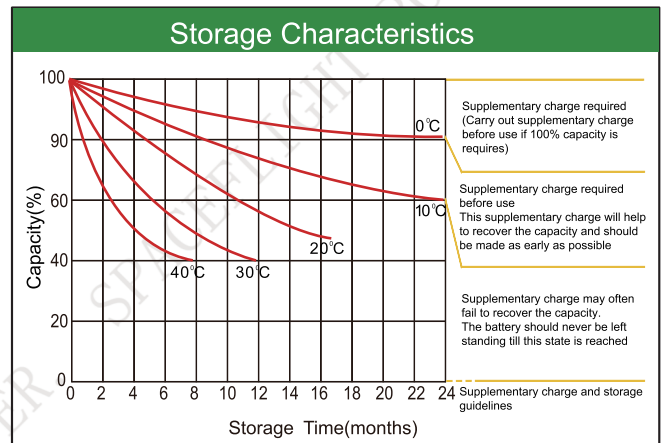
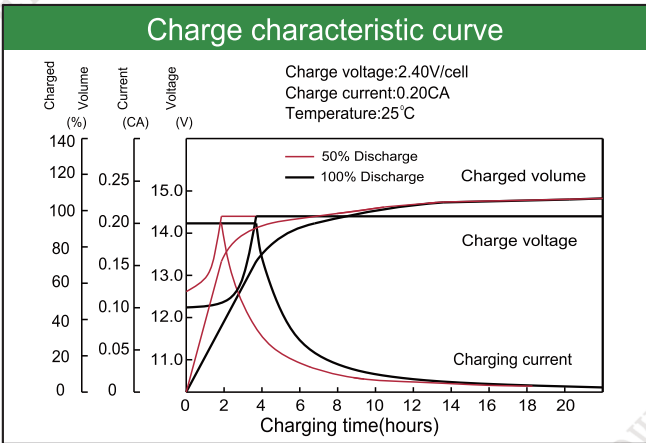
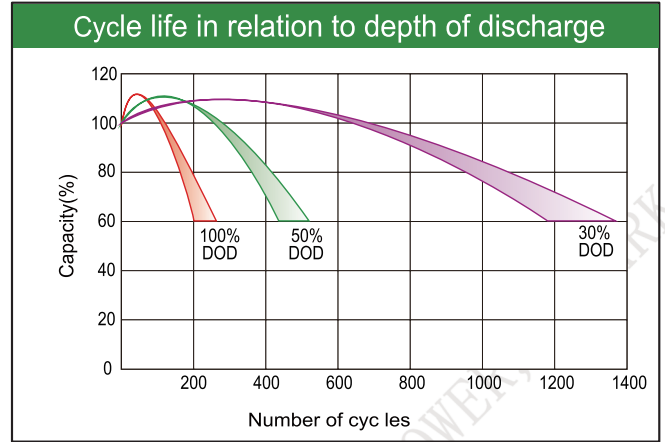
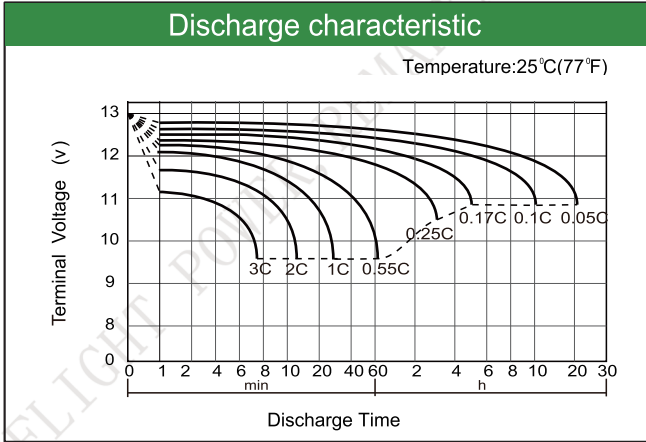
Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	60min	3h	5h	10h	20h
1.60V	/	627	480	330	195	79.8	55.7	30.4	15.7
1.65V	/	589	464	321	191	79.0	55.2	30.3	15.7
1.70V	/	555	446	311	186	78.0	54.6	30.3	15.6
1.75V	/	517	428	301	181	77.0	54.0	30.2	15.6
1.80V	/	477	407	289	175	75.8	53.3	30.0	15.5

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

E.V/Time	5min	10min	15min	30min	45min	60min	2h	3h	5h
1.60V	/	1020	834	590	452	347	222	157	104
1.65V	/	960	794	563	437	334	217	154	102
1.70V	/	900	754	537	421	320	210	149	100
1.75V	/	841	713	511	405	308	205	146	96
1.80V	/	782	672	485	389	295	199	141	93

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