

### 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

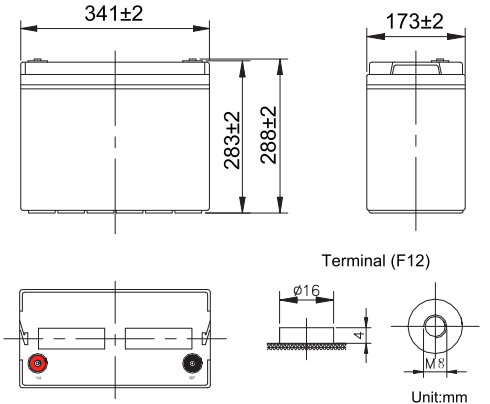
#### Specifications

Rated Voltage	12V	
Nominal Capacity	134Ah	(C <sub>10</sub> , 10.8V)
Approx Weight	43kg±3%(94.8lbs)	
Terminal	F12	
Rated Capacity(25°C)	142 Ah	(20hr, 7.1A, 10.8V)
	134 Ah	(10hr, 13.4A, 10.8V)
	125 Ah	(5hr, 25A, 10.5V)
	94 Ah	(1hr, 94A, 9.6V)
Max. Discharge Current	1340A(5s)	
Max. Charge Current	33.5A	
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 33.5A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 33.5A. 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	341±2mm (13.4 inches)
Width	173±2mm (6.81 inches)
Container Height	283±2mm (11.1 inches)
Total Height	288±2mm (11.3 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

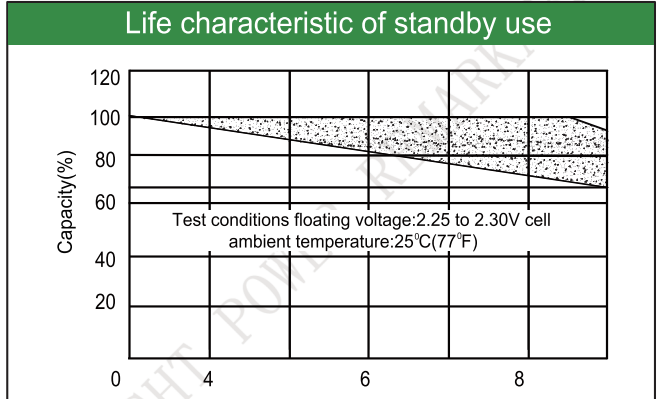
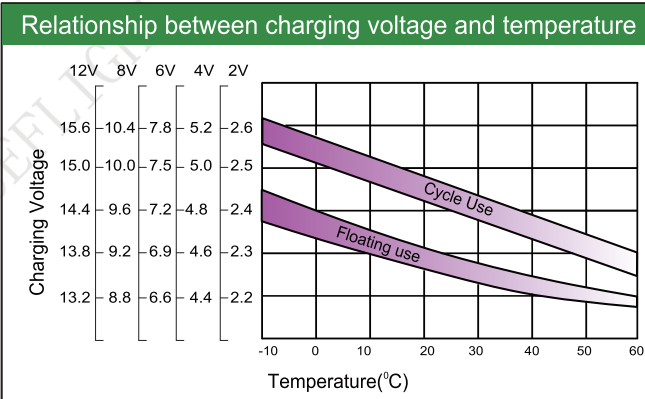
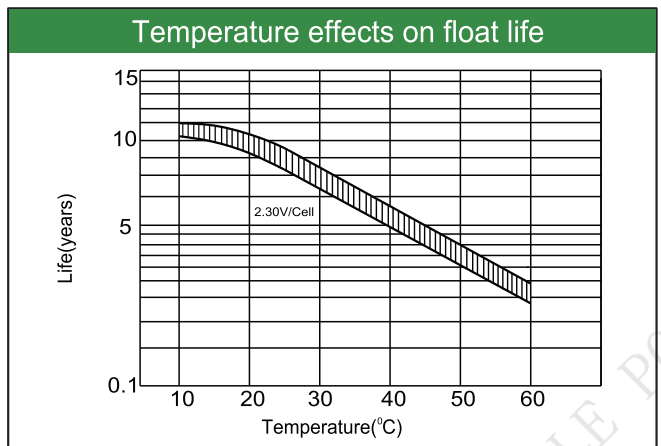
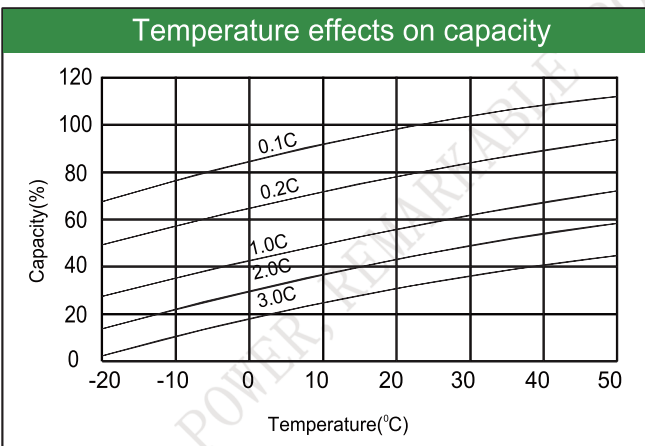
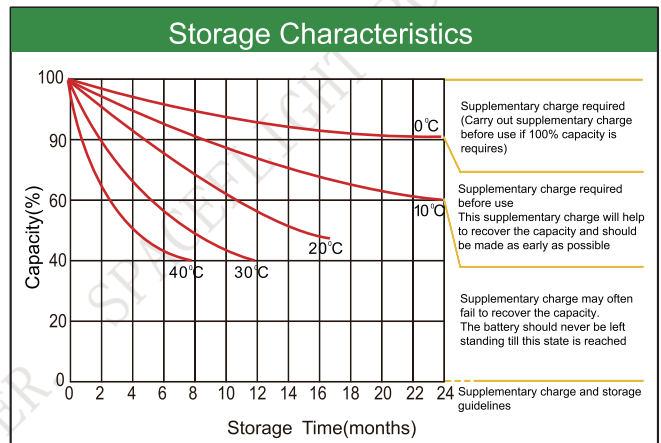
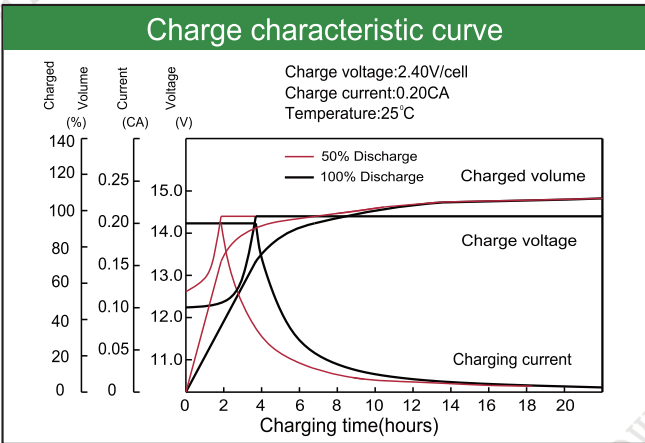
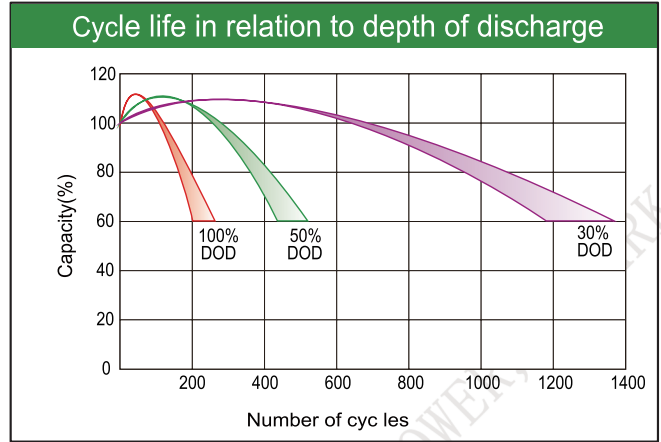
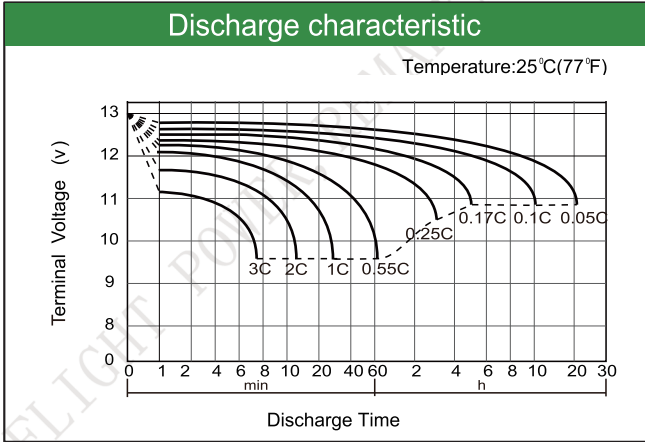
#### Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	473	319	253	158	94	40.1	26.1	13.9	7.35
1.65V	456	306	242	150	90	39.1	25.8	13.8	7.30
1.70V	440	293	231	141	86	38.0	25.4	13.7	7.25
1.75V	423	279	220	132	82	36.9	25.0	13.6	7.20
1.80V	405	265	207	121	77	35.7	24.5	13.4	7.10

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

E.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	805	561	475	299	224	182	108	72.6	52.8
1.65V	761	534	450	278	218	178	106	71.6	52.3
1.70V	717	504	425	258	213	175	104	70.6	51.7
1.75V	673	472	402	237	207	172	102	69.6	51.1
1.80V	621	440	385	213	200	167	98.8	68.3	50.5

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](mailto:sales@sfbattery.com)      [www.sfbattery.com](http://www.sfbattery.com)