

### HTH Series Battery

SPACEFLIGHT HTH series battery is High Rate battery based on advanced AGM technology, by using specially designed plates with more active materials which makes the battery can work under a heavy load discharge applications.

### Applications

- Uninterruptible power supplies
- Telecommunication systems
- Communication equipments
- Emergency Power Systems
- Security system

### General Features

- 5-8 years designed floating 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

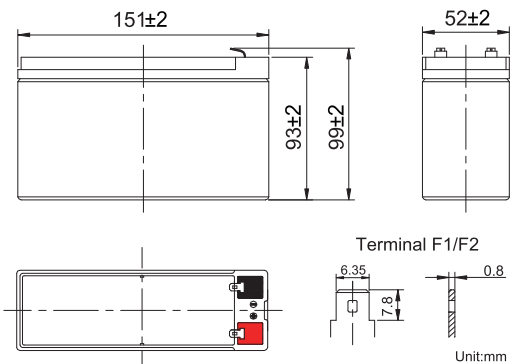
### Specifications

Rated Voltage	12V	
Nominal Capacity	26.5W/cell	(15min rate@1.67V)
Approx Weight	2.0kg±3%(4.41lbs)	
Terminal	F1/F2	
Rated Capacity(25°C)	7.0 Ah	(20hr,0.35A,10.5V)
	6.6 Ah	(10hr,0.66A,10.5V)
	6.0 Ah	(5hr,1.2A,10.5V)
	5.06 Ah	(1hr,5.06A,9.6V)
Max.Discharge Current	105A(5s)	
Max.Charge Current	1.75A	
Internal Resistance(25°C)	Approx 20mΩ	
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 1.75A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 1.75A. 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	151±2mm (5.94 inches)
Width	51±2mm (2.01 inches)
Container Height	93±2mm (3.66 inches)
Total Height	99±2mm (3.90 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

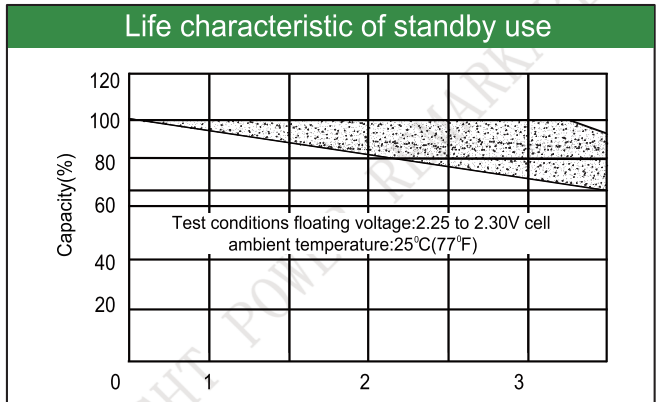
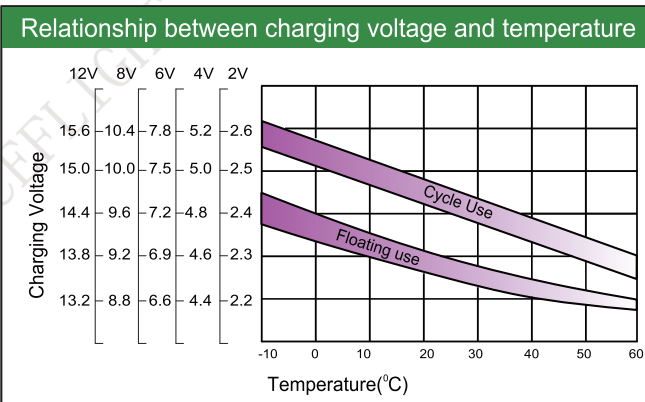
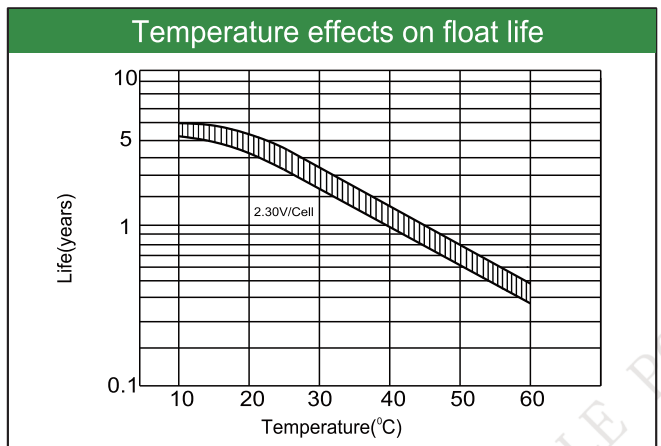
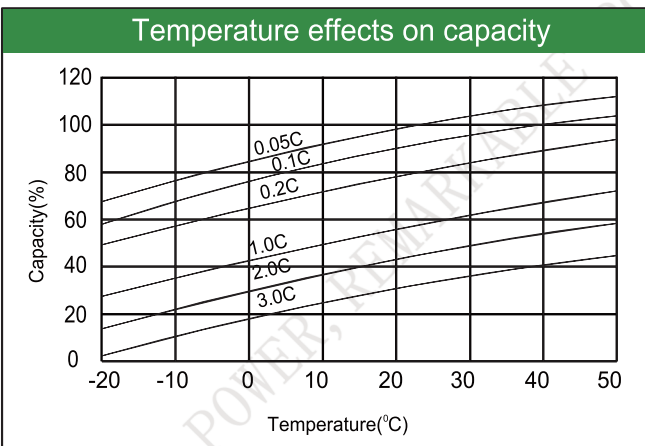
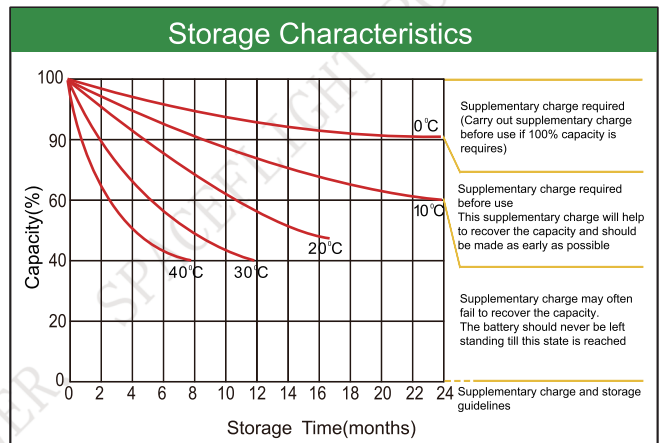
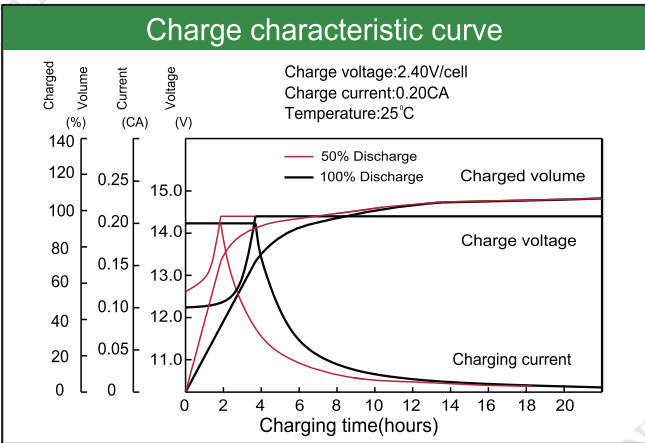
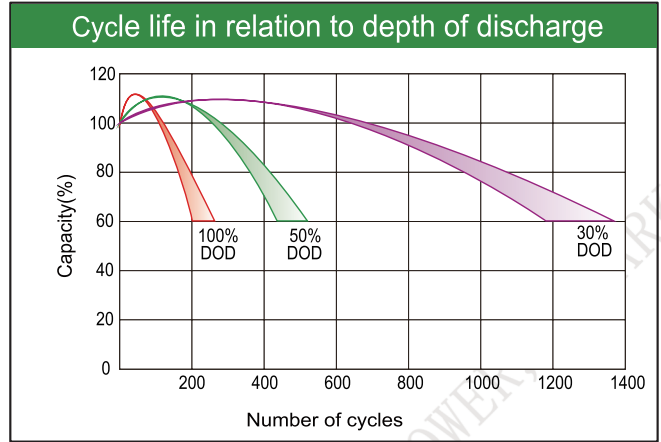
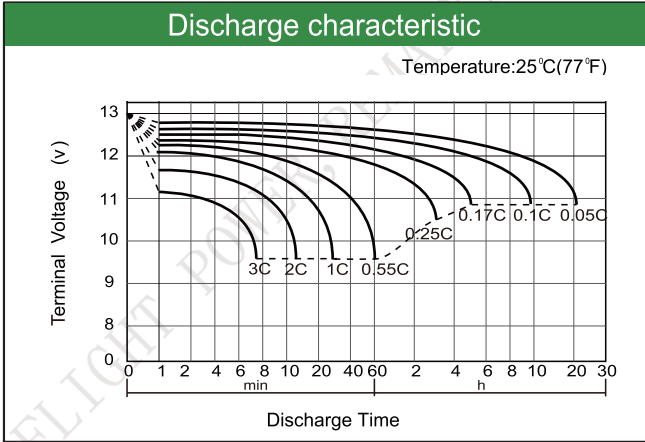
### Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	20min	30min	40min	50min	60min	90min
1.60V	30.1	20.3	15.6	12.3	8.95	7.12	5.93	5.06	3.85
1.67V	28.5	19.2	14.8	11.7	8.49	6.77	5.65	4.82	3.68
1.70V	26.9	18.1	14.0	11.0	8.03	6.41	5.36	4.59	3.52
1.75V	25.1	17.0	13.2	10.4	7.57	6.06	5.08	4.35	3.45
1.80V	24.5	16.4	12.7	10.1	7.37	5.91	4.96	4.26	3.30

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

E.V/Time	5min	10min	15min	20min	30min	40min	50min	60min	90min
1.60V	54.2	36.8	27.0	22.1	16.2	12.9	10.7	9.19	6.82
1.67V	51.8	36.0	26.5	21.5	15.8	12.6	10.4	8.93	6.74
1.70V	49.6	35.1	26.2	20.9	15.4	12.2	10.2	8.67	6.63
1.75V	47.3	34.2	25.8	20.5	15.1	11.7	9.69	8.42	6.52
1.80V	44.9	32.7	24.7	19.6	13.9	11.4	9.51	8.16	6.35

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)