

HTL Series Battery

SPACEFLIGHT HTL series battery is 2V Long Life lead acid battery which has been designed with special heavy duty grids and thicker plates which makes the battery provides consistent performance and longer service life at a critical application.

Applications

- Uninterruptible power supplies
- Telecommunication systems
- Communication equipments
- Emergency Power Systems
- Security systems
- Solar/Wind systems

General Features

- 20 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

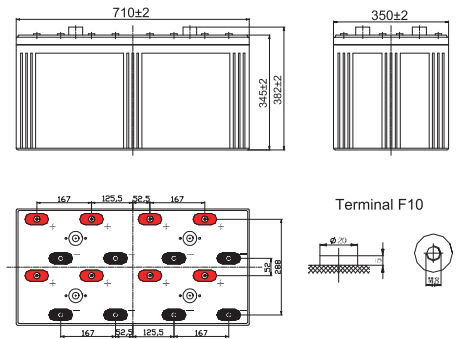
Specifications

Rated Voltage	2V	
Nominal Capacity	3500Ah	(C ₁₀ ,1.8V)
Approx Weight	205kg±3%(451.74lbs)	
Terminal	F10	
Rated Capacity(25°C)	3500 Ah	(10hr,350A,1.80V)
	3035 Ah	(5hr,607A,1.75V)
	2670 Ah	(3hr,890A,1.70V)
	2167 Ah	(1hr,2167A,1.60V)
Max.Discharge Current	17500A(5s)	
Max.Charge Current	875A	
Internal Resistance(25°C)	Approx 0.10mΩ	
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	Cycle Use	Initial Charging Current less than 875A. Voltage 2.4V~2.5V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 875A. Voltage 2.25V~2.3V 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	710±2mm (27.95 inches)
Width	350±2mm (13.8 inches)
Container Height	345±2mm (13.6 inches)
Total Height	382±2mm (15.04 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

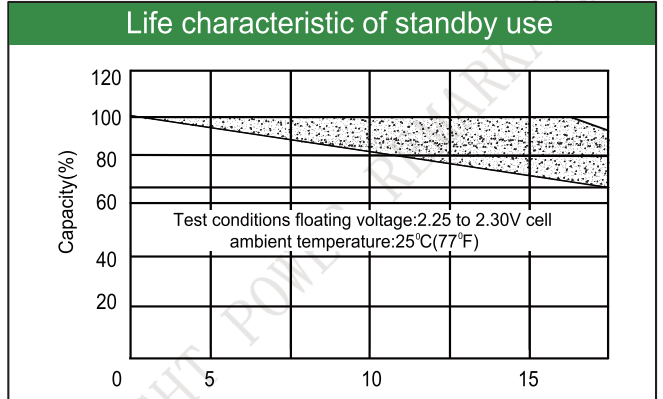
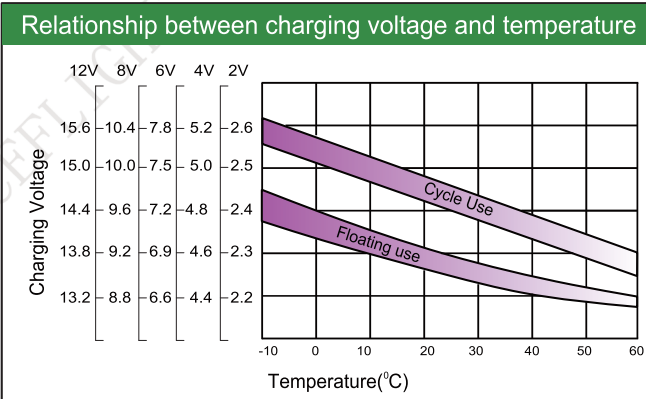
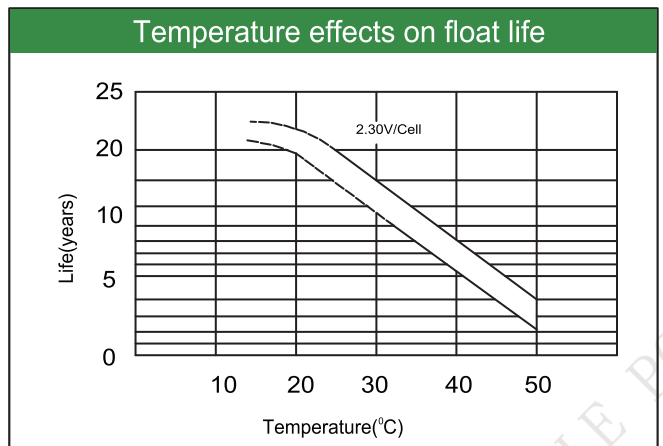
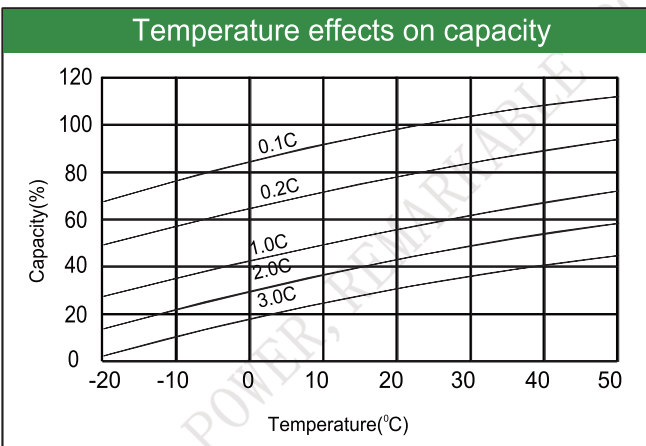
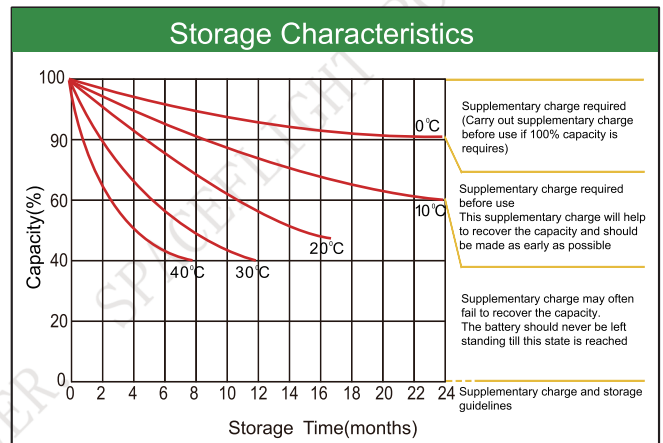
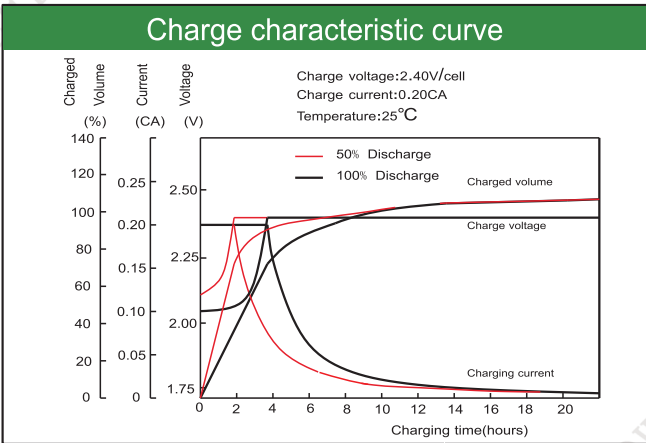
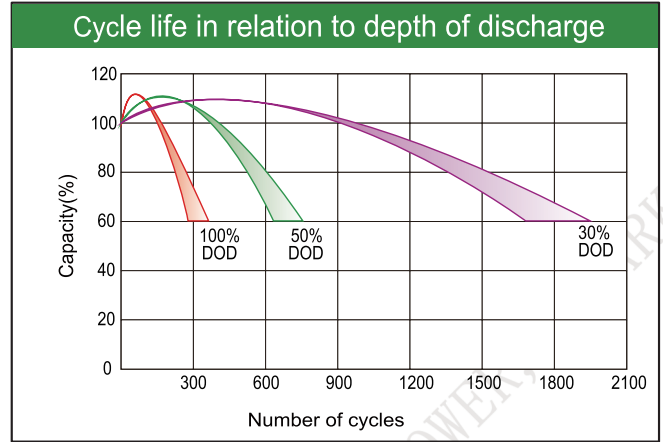
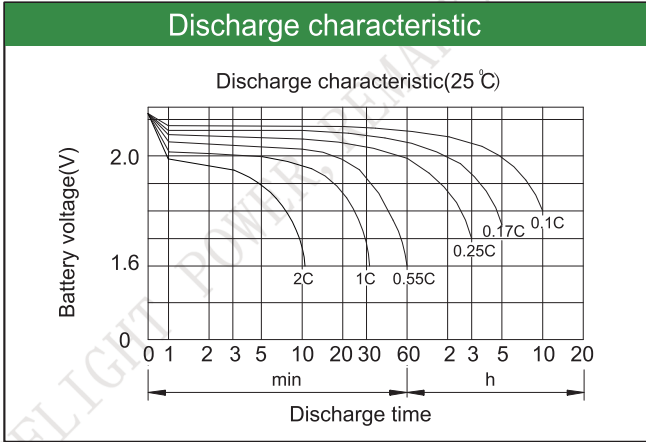
Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V	/	5990	5296	3475	2518	2167	962	676	371
1.65V	/	5678	5040	3323	2415	2090	933	657	367
1.70V	/	5358	4775	3160	2308	2013	890	624	361
1.75V	/	5020	4506	2996	2196	1953	865	607	355
1.80V	/	4687	4235	2827	2041	1860	825	570	350

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

E.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	/	9734	8758	5695	4104	3556	2375	1570	1109
1.65V	/	9563	8466	5540	4033	3498	2350	1558	1098
1.70V	/	9256	8233	5460	3993	3478	2264	1539	1080
1.75V	/	8905	8021	5302	3886	3450	2167	1526	1076
1.80V	/	8568	7792	5201	3740	3422	2063	1518	1053

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