

HTF Series General Battery

HTF series battery is Front Terminal Battery features integrated carrying handles and front access terminal connection which easily install and service in 19-inch and 23-inch battery cabinets, the batteries are based on AGM technology, an ideal backup for industrial, utility, and telecommunications applications.

Applications

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

General Features

- 12 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

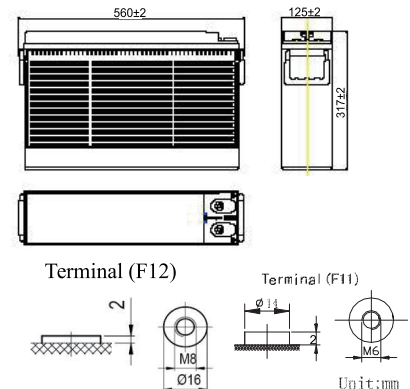
Specifications

Rated Voltage	12V	
Nominal Capacity	200Ah	(C ₁₀ , 10.8V)
Approx Weight	59kg±3%(130.0lbs)	
Terminal	F12	
Rated Capacity(25°C)	212 Ah	(20hr, 10.6A, 10.5V)
	200 Ah	(10hr, 20A, 10.8V)
	173 Ah	(5hr, 34.6A, 10.5V)
	121 Ah	(1hr, 121A, 9.6V)
Max. Discharge Current	2000A(5s)	
Max. Charge Current	50A	
Internal Resistance(25°C)	Approx 3.9mΩ	
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 50A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 50A. 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	560±2mm (22.0inches)
Width	125±2mm (4.92 inches)
Container Height	317±2mm (12.5 inches)
Total Height	317±2mm (12.5 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

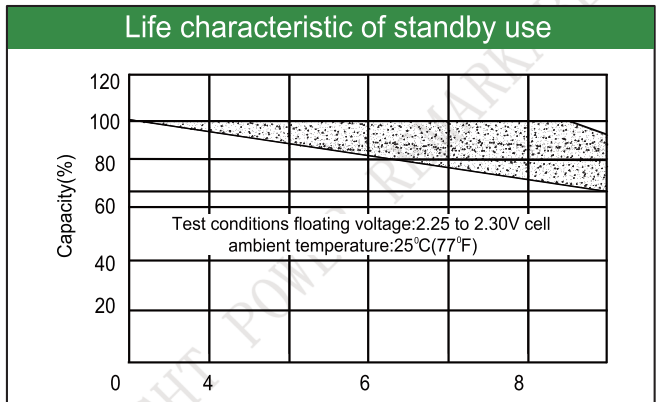
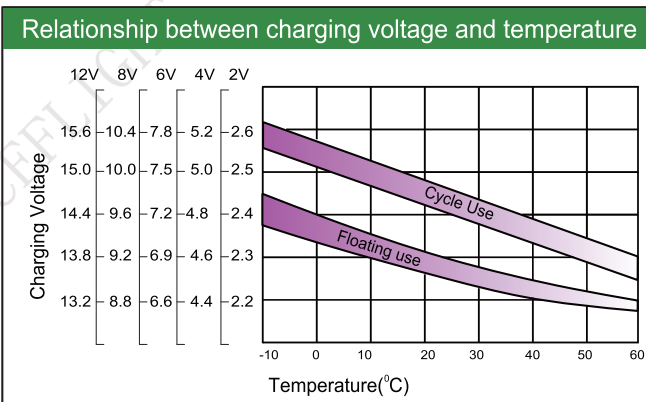
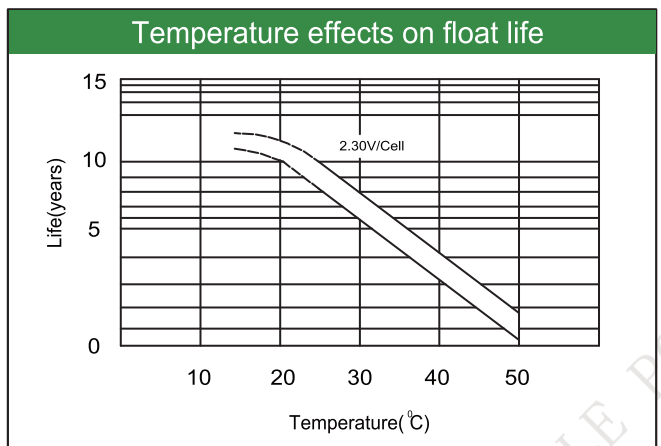
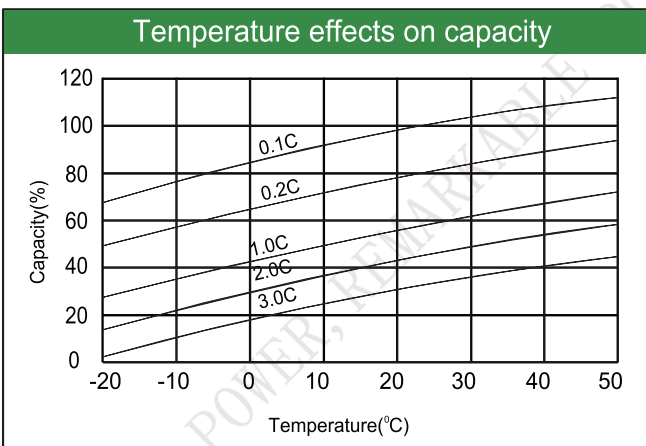
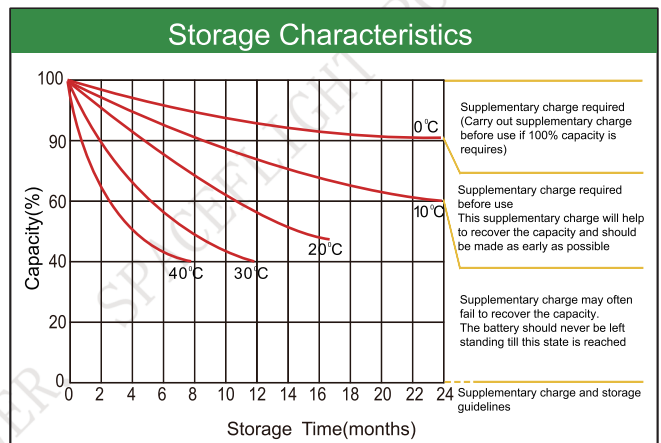
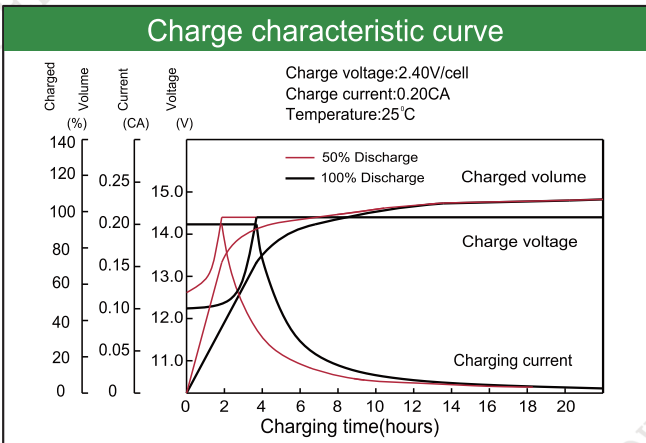
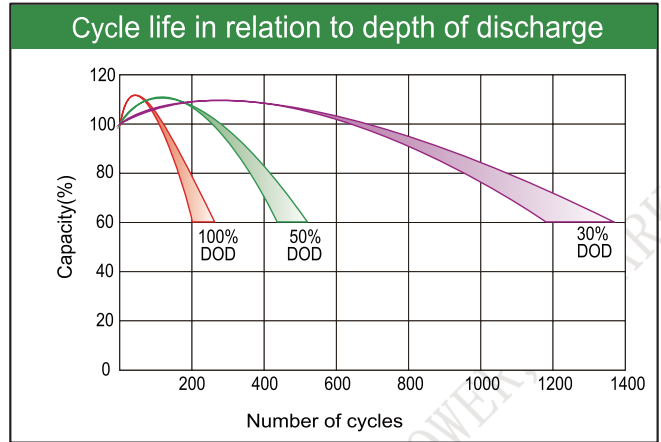
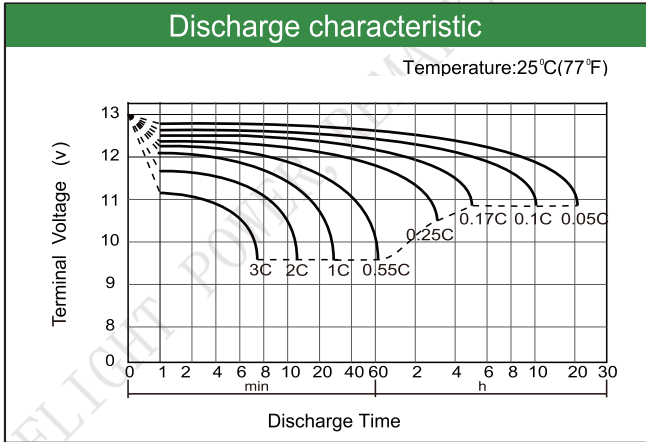
Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V	428	350	223	165	131	53.9	35.7	20.7	10.8
1.65V	410	340	219	163	129	53.1	35.4	20.5	10.8
1.70V	393	329	215	159	127	52.6	34.8	20.3	10.7
1.75V	369	314	208	156	125	52.0	34.6	20.1	10.6
1.80V	339	292	200	151	121	51.3	34.1	20.0	10.5

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

E.V/Time	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V	724	595	380	283	226	96.0	65.1	40.2	20.78
1.65V	700	583	377	282	226	94.9	64.4	39.4	20.65
1.70V	683	574	377	280	225	94.1	63.5	39.0	20.52
1.75V	654	559	372	280	224	93.8	63.5	38.7	20.41
1.80V	616	533	367	278	224	93.3	63.4	38.7	21.21

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