

### 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

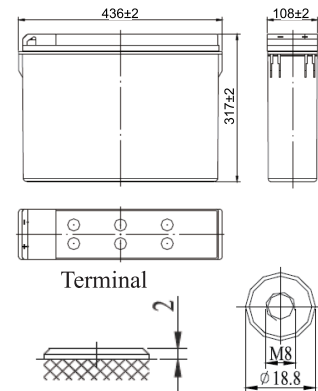
### Specifications

Rated Voltage	12V	
Nominal Capacity	125Ah	(C <sub>10</sub> , 10.8V)
Approx Weight	39.5kg±3%(87.1lbs)	
Terminal	F12	
Rated Capacity(25°C)	130 Ah	(20hr,6.5A,10.5V)
	125 Ah	(10hr,12.5A,10.8V)
	107 Ah	(5hr,21.3A,10.5V)
	77 Ah	(1hr,77A,9.6V)
Max.Discharge Current	1250A(5s)	
Max.Charge Current	31.3A	
Internal Resistance(25°C)	Approx 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 31.3A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 31.3A. 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	436±2mm (17.2 inches)
Width	108±2mm (4.25 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

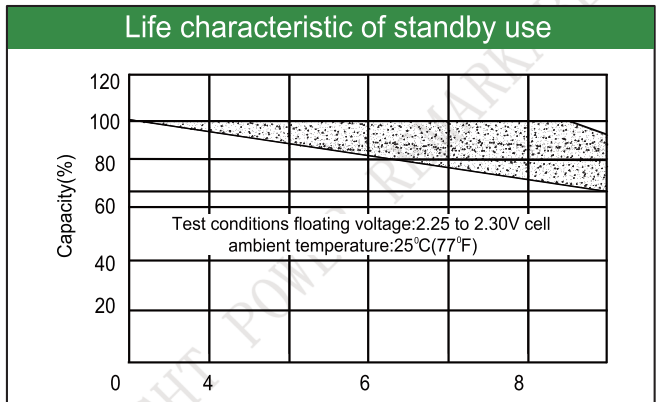
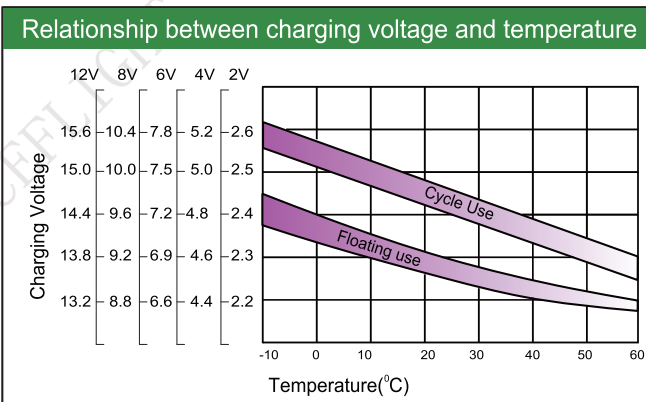
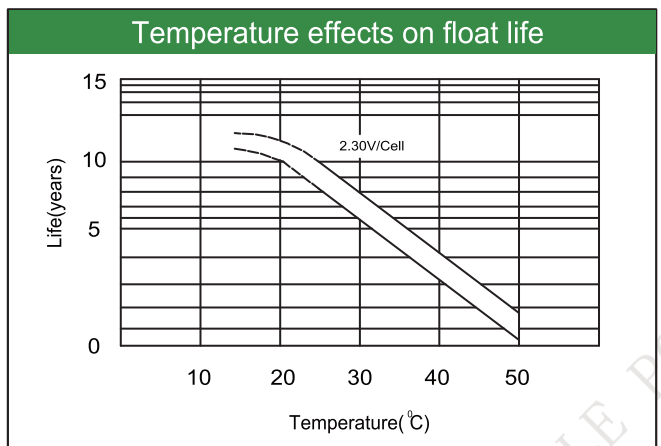
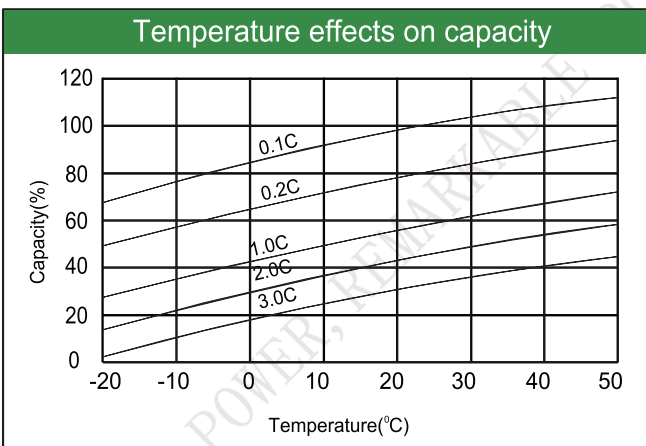
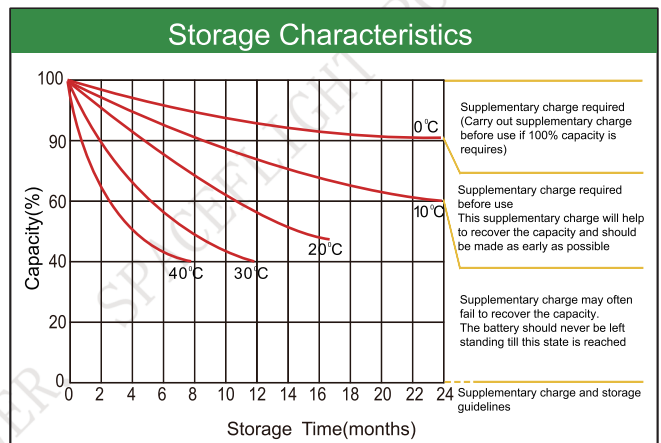
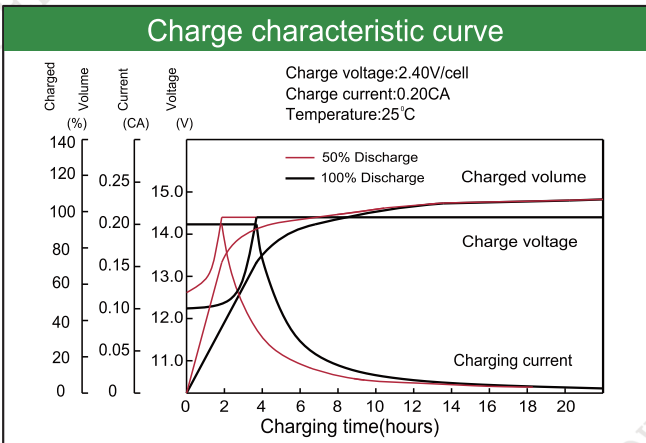
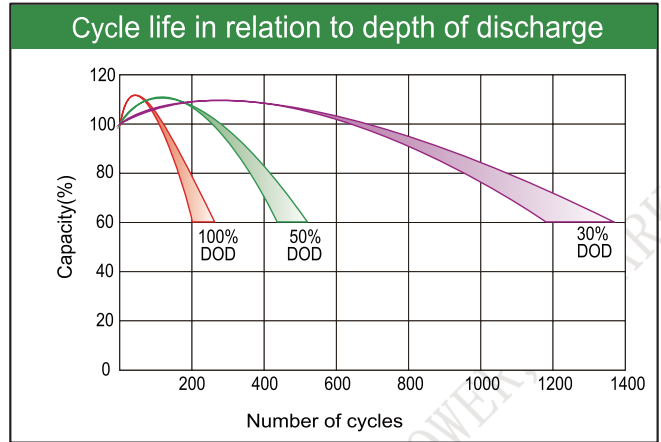
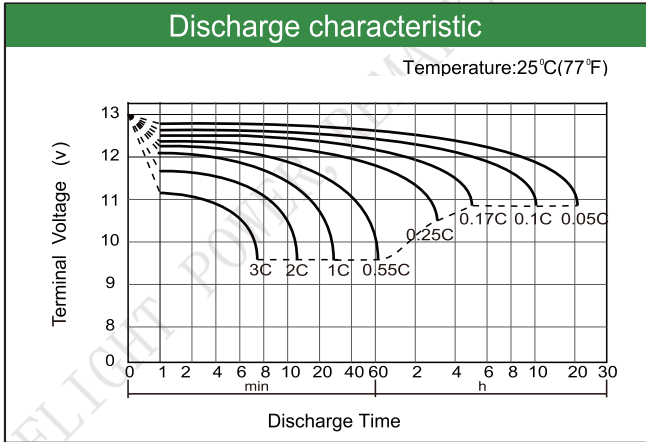
### Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V	303	223	146	112	77.0	34.5	22.1	13.0	6.65
1.65V	291	217	142	110	74.8	33.4	21.8	12.9	6.60
1.70V	277	208	137	106	72.4	32.2	21.5	12.7	6.55
1.75V	260	198	132	102	69.8	31.0	21.3	12.6	6.50
1.80V	242	186	125	97	67.0	29.7	20.5	12.5	6.40

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

E.V/Time	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V	512	379	249	192	133	60.0	40.1	25.1	12.93
1.65V	502	376	247	192	131	59.3	39.7	25.0	12.74
1.70V	487	368	243	189	130	58.3	39.5	24.7	12.64
1.75V	467	357	239	186	128	57.3	39.2	24.6	12.57
1.80V	439	339	229	179	124	55.5	39.1	24.3	12.54

Note: The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum.



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