

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

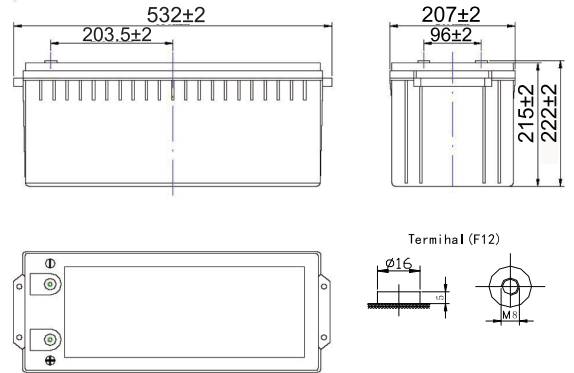
Specifications

Rated Voltage	12V		
Nominal Capacity	200Ah	(C ₂₀ , 10.8V)	
Approx Weight	55kg±3%(121.2lbs)		
Terminal	F12		
Rated Capacity(25°C)	202 Ah	(20hr, 10.1A, 10.5V)	
	185 Ah	(10hr, 18.5A, 10.8V)	
	165 Ah	(5hr, 33A, 10.5V)	
	120 Ah	(1hr, 120A, 9.6V)	
Max.Discharge Current	2000A(5s)		
Max.Charge Current	50A		
Internal Resistance(25°C)	Approx4mΩ		
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	532±2mm (20.94 inches)
Width	207±2mm (8.15 inches)
Container Height	215±2mm (8.46 inches)
Total Height	222±2mm (8.74 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

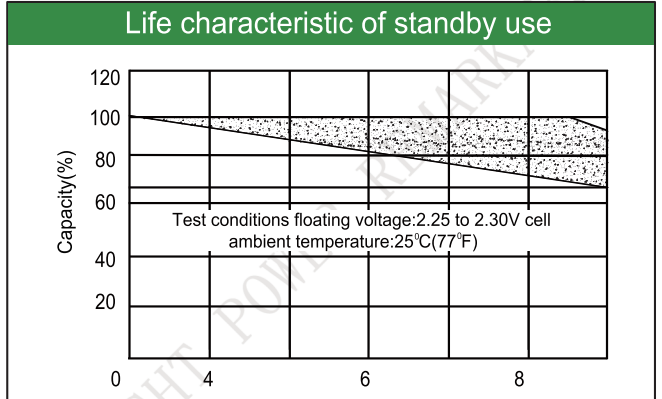
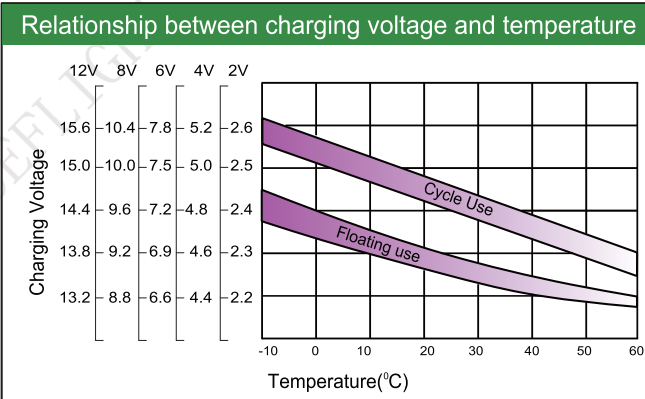
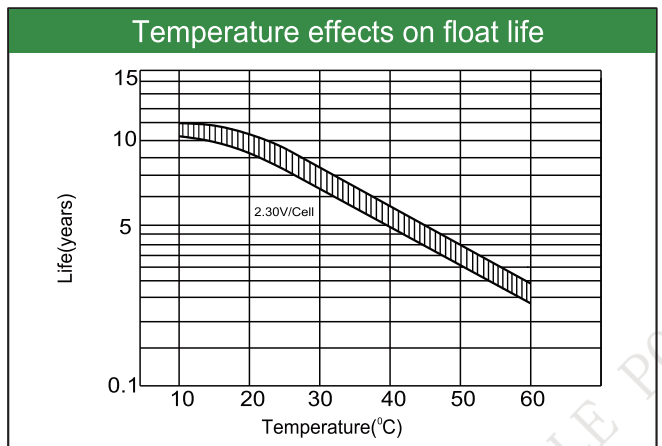
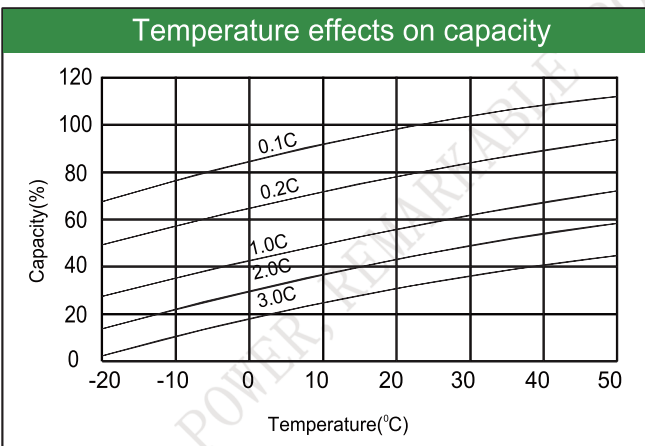
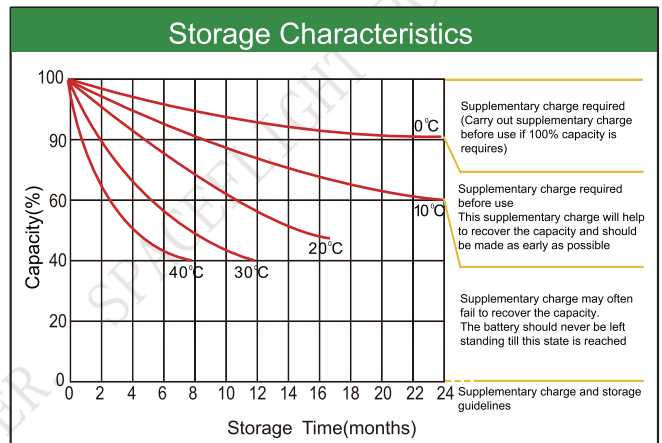
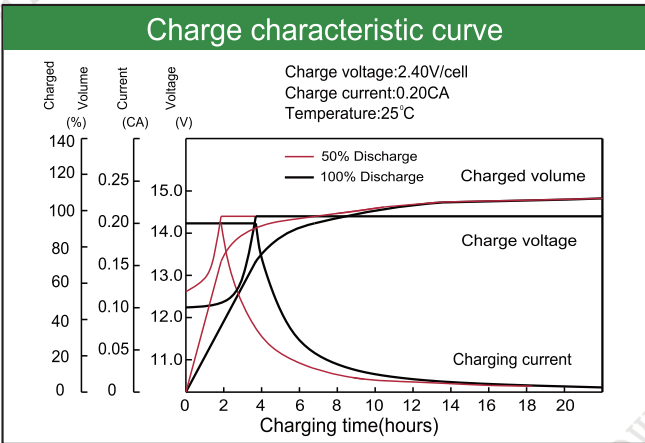
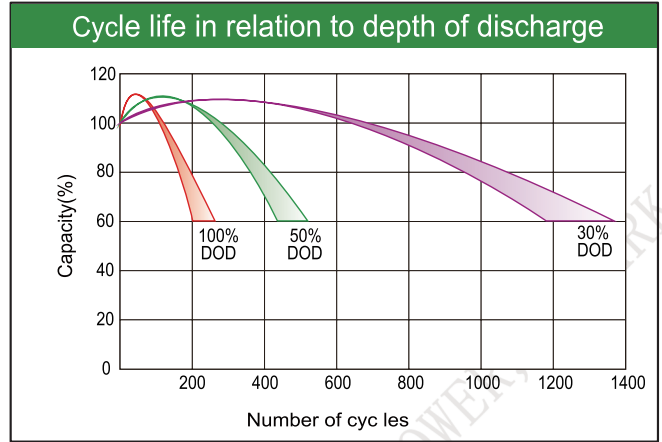
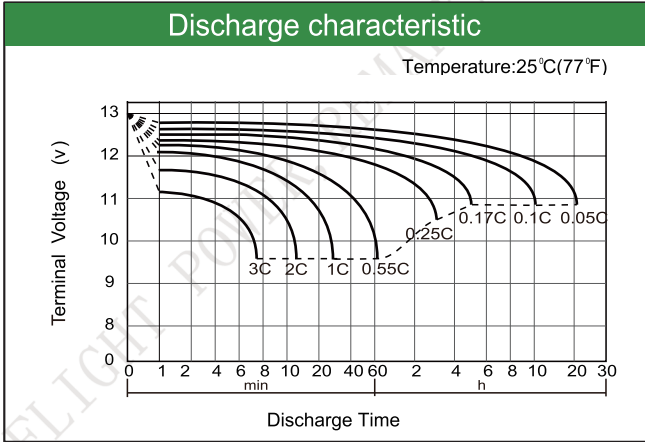
Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	/	395	312	195	120	48.5	34.4	19.0	10.3
1.65V	/	383	303	190	118	47.8	34.0	18.9	10.2
1.70V	/	369	293	184	116	47.0	33.5	18.8	10.2
1.75V	/	353	282	178	114	46.1	33.0	18.7	10.1
1.80V	/	335	269	171	112	45.1	32.4	18.5	10.0

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

E.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	/	660	555	360	260	215	132	97.5	61.8
1.65V	/	644	542	350	253	210	129	96.5	61.2
1.70V	/	626	528	339	245	204	125	95.3	60.5
1.75V	/	606	513	327	237	198	121	94.0	59.7
1.80V	/	583	496	313	228	191	116	92.5	58.7

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



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