

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

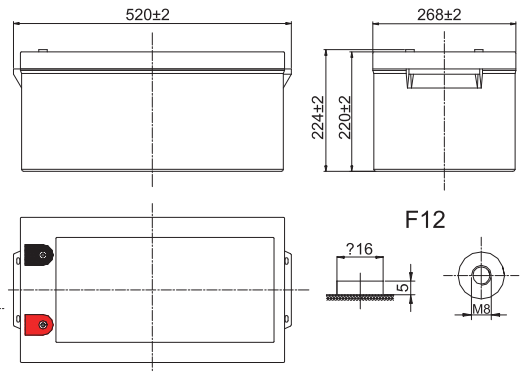
Specifications

Rated Voltage	12V	
Nominal Capacity	260Ah	(C ₁₀ , 10.8V)
Approx Weight	71.0kg±3%(156.5lbs)	
Terminal	F12	
Rated Capacity(25°C)	260 Ah	(10hr,26A,10.8V)
	225 Ah	(5hr,45A,10.5V)
	210 Ah	(3hr,70A,10.2V)
	168 Ah	(1hr,168A,9.6V)
Max.Discharge Current	2600A(5s)	
Max.Charge Current	65A	
Internal Resistance(25°C)	Approx 3.6mΩ	
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 65A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 65A. 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	520±2mm (20.5 inches)
Width	268±2mm (10.6 inches)
Container Height	220±2mm (8.66 inches)
Total Height	224±2mm (8.82 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

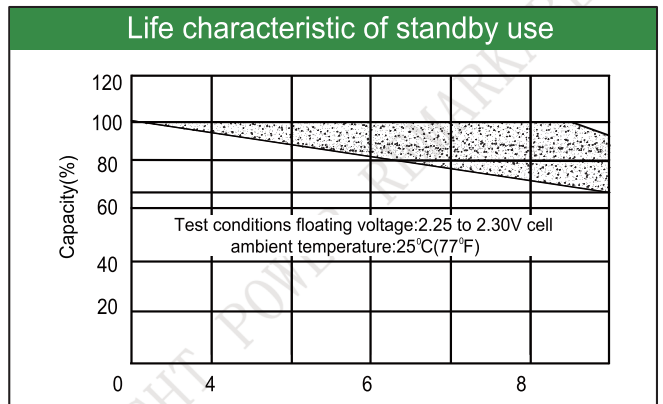
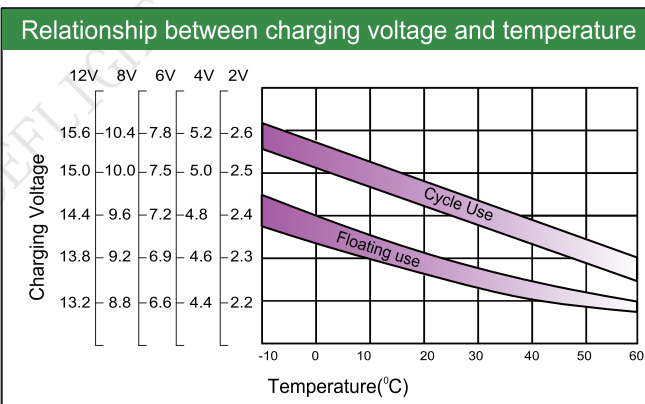
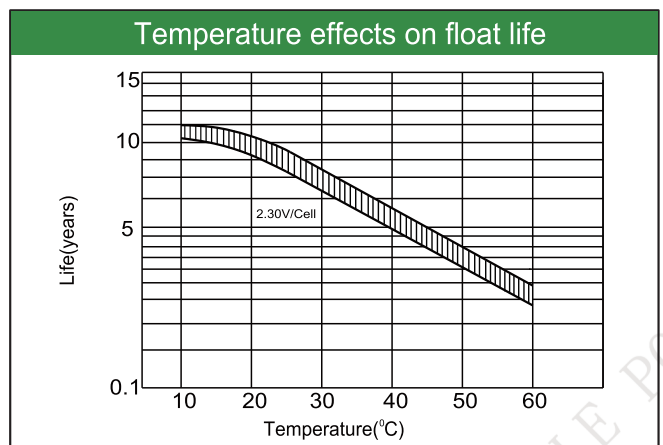
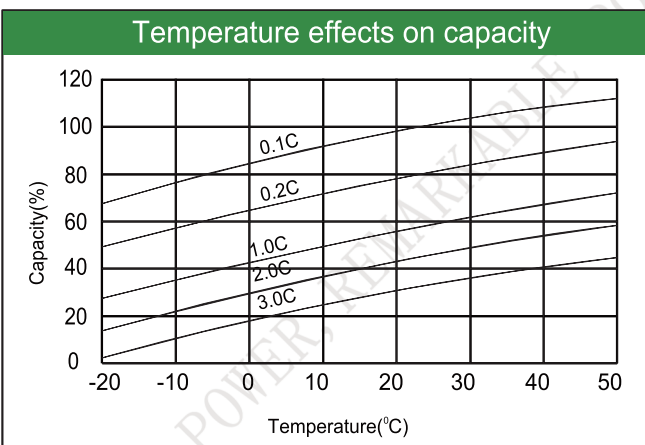
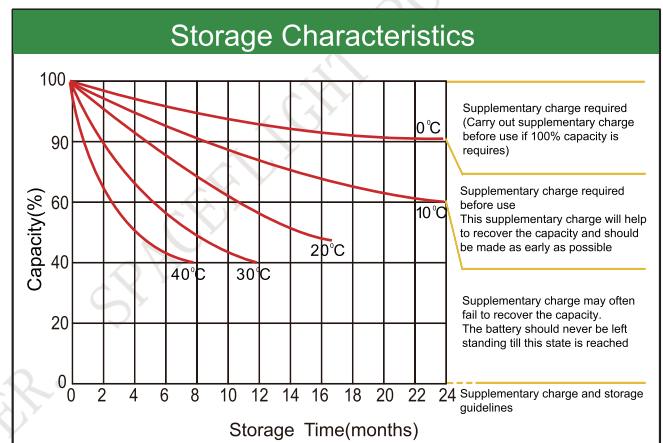
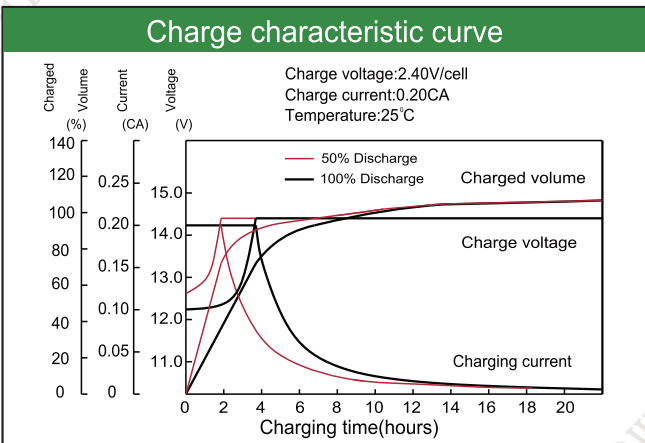
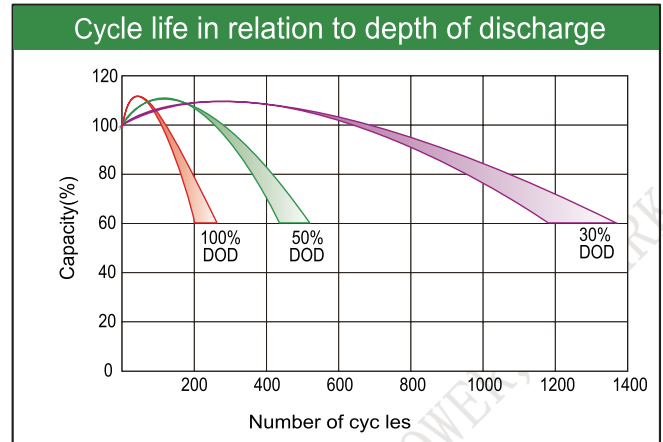
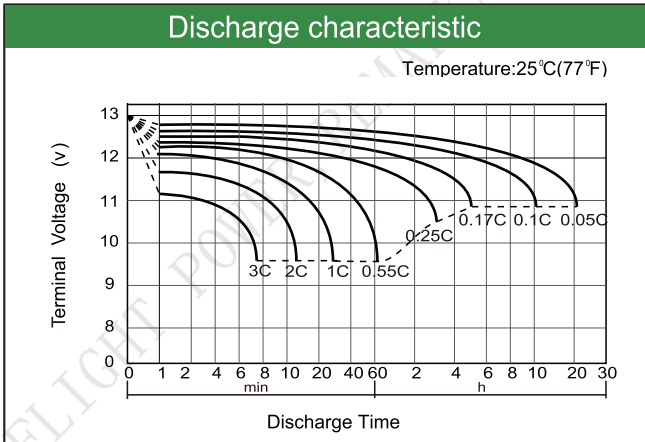
Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	/	600	417	275	168	71.9	46.3	26.3	13.7
1.65V	/	574	397	269	165	71.0	46.0	26.3	13.7
1.70V	/	548	377	261	162	70.0	45.5	26.2	13.6
1.75V	/	522	356	252	159	69.9	45.0	26.0	13.5
1.80V	/	491	330	243	153	68.7	44.3	26.0	13.5

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

E.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	/	1020	767	531	410	335	194	148	98.4
1.65V	/	1004	762	528	408	332	193	147	98.1
1.70V	/	985	755	524	405	329	191	146	97.8
1.75V	/	949	746	521	402	326	190	145	97.4
1.80V	/	910	735	515	399	322	188	143	97.0

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



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