

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

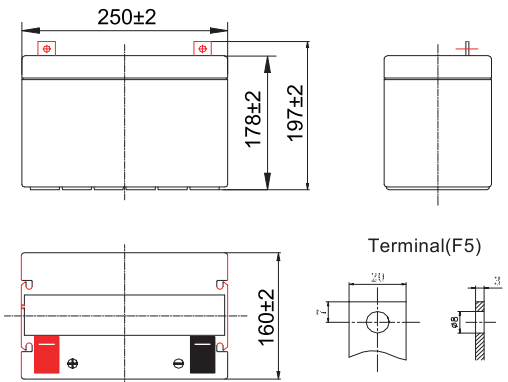
Specifications

Rated Voltage	12V	
Nominal Capacity	60Ah	(C ₂₀ , 10.8V)
Approx Weight	18kg±3%(39.7lbs)	
Terminal	F5	
Rated Capacity(25°C)	60 Ah	(20hr,3.0A,10.8V)
	57 Ah	(10hr,5.7A,10.8V)
	54 Ah	(5hr,10.8A,10.5V)
	40 Ah	(1hr,40A,9.6V)
Max.Discharge Current	600A(5s)	
Max.Charge Current	15A	
Internal Resistance(25°C)	Approx 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 @25°C(77°F)	Cycle Use	Initial Charging Current less than 15A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 15A. 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	250±2mm (9.84 inches)
Width	160±2mm (6.30 inches)
Container Height	178±2mm (7.01 inches)
Total Height	197±2mm (7.76 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

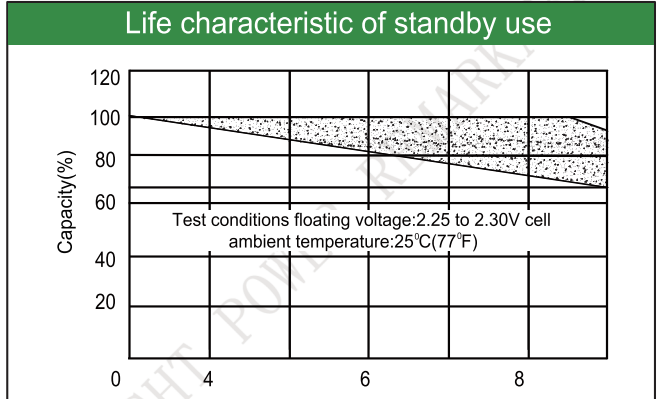
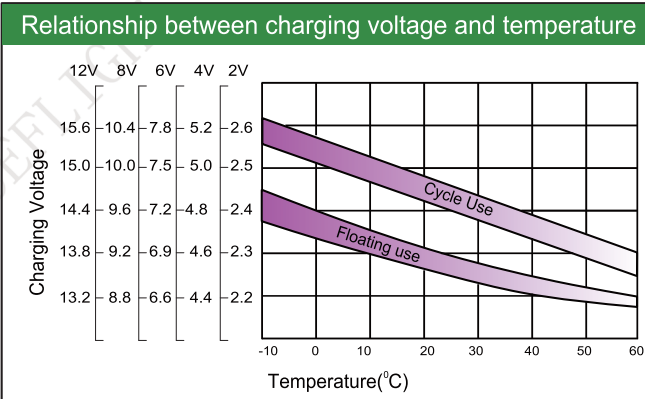
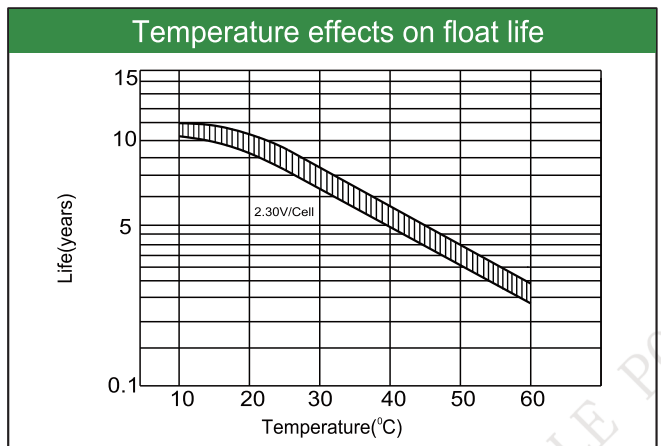
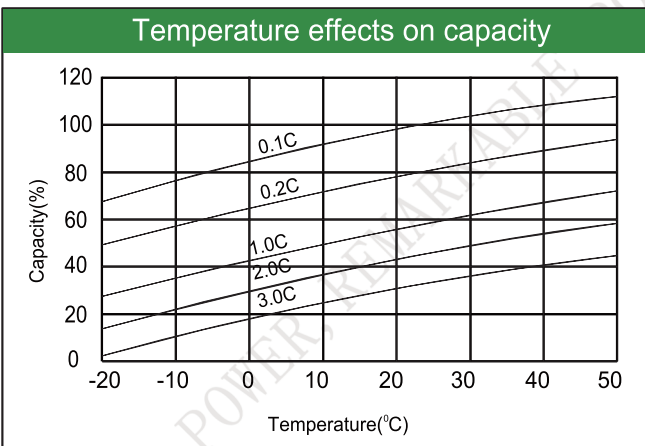
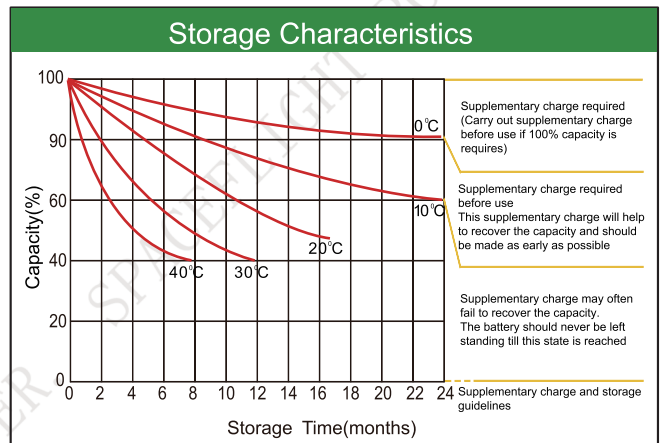
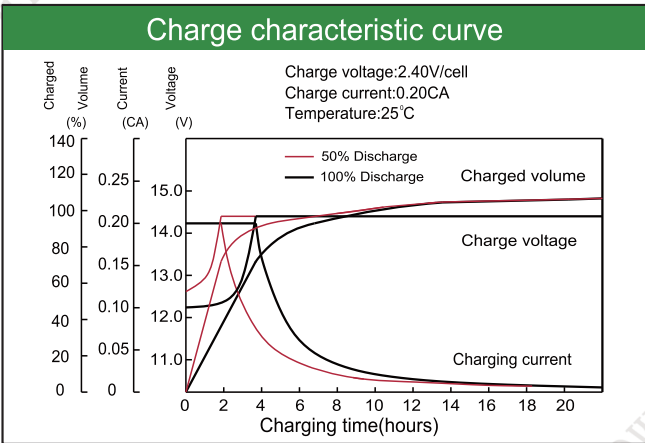
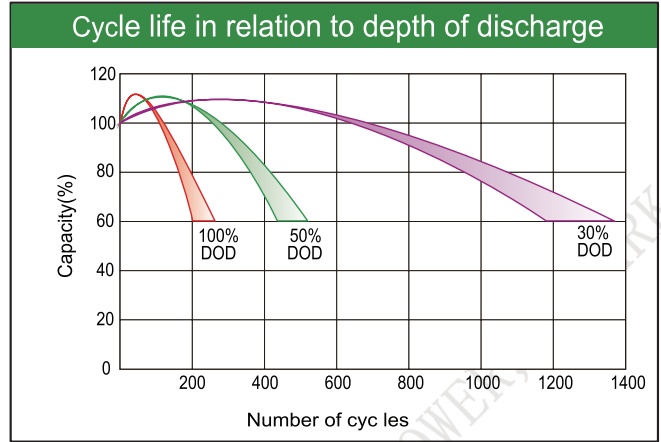
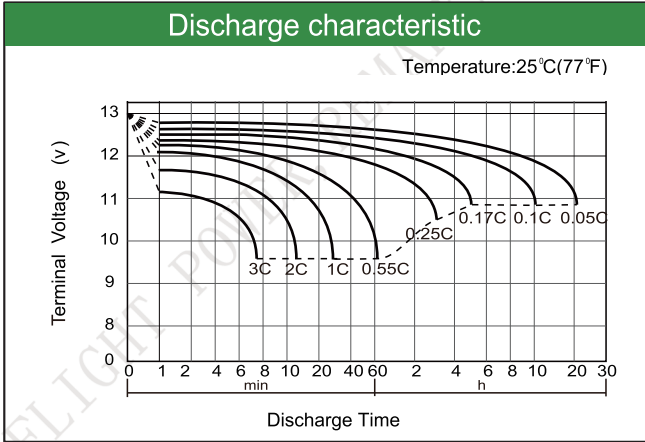
Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	60min	3h	5h	10h	20h
1.60V	195	145	111	67.0	40.0	16.9	11.3	6.00	3.20
1.65V	186	139	107	65.0	38.8	16.5	11.2	5.95	3.15
1.70V	176	132	102	63.0	37.5	16.0	11.0	5.90	3.15
1.75V	164	124	96.5	60.8	36.2	15.5	10.8	5.80	3.10
1.80V	150	115	90.0	58.4	34.8	14.9	10.5	5.70	3.00

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

E.V/Time	5min	10min	15min	30min	45min	60min	2h	3h	5h
1.60V	350	250	198	125	94.1	76.0	44.0	32.5	21.8
1.65V	337	241	191	121	92.3	74.7	43.1	31.8	21.4
1.70V	322	231	183	116	90.3	73.3	42.1	31.0	20.9
1.75V	305	220	175	112	88.3	71.8	41.0	30.2	20.4
1.80V	286	208	166	107	86.0	70.0	39.8	29.3	19.8

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



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