

HTG Series Battery

SPACEFLIGHT HTG Series Battery is hybrid GEL battery designed with deep cycle technology to give extra-durable cycle performance. HTG series battery with 20 years floating design life at 25°C.

Applications

- Solar and wind power systems
- Communication systems
- Uninterruptible power supplies
- Golf carts and buggies
- Alarm and security system
- Electric toy and wheelchairs, etc

General Features

- 20 years designed floating life(25 °C)
- Non-spillable construction
- Sealed and maintenance-free
- Excellent recovery from deep discharge
- High density active materials plates
- Longer Life and low self-discharge

Standards

- Compliance with IEC, BS, JIS and EU standards.
- UL, CE Certified
- ISO45001,ISO9001 and ISO14001 certified production facilities

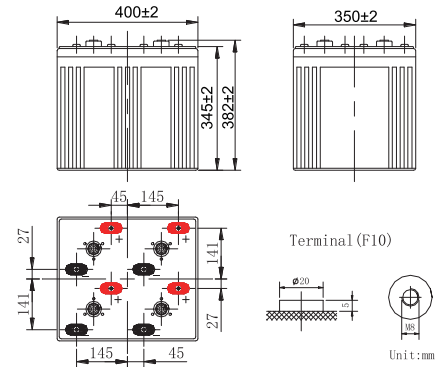
Specifications

Rated Voltage	2V	
Nominal Capacity	1500Ah	(C ₁₀ ,1.8V)
Approx Weight	98kg±3%(216.05lbs)	
Terminal	F10	
Rated Capacity(25°C)	1500 Ah	(10hr,150A,1.80V)
	1340 Ah	(5hr,268A,1.75V)
	1134 Ah	(3hr,378A,1.70V)
	920 Ah	(1hr,920A,1.60V)
Max.Discharge Current	7500A(5s)	
Max.Charge Current	375A	
Internal Resistance(25°C)	Approx 0.55mΩ	
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 375A. Voltage 2.4V~2.5V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 375A. Voltage 2.25V~2.3V 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	400±2mm (15.75 inches)
Width	350±2mm (13.8 inches)
Container Height	345±2mm (13.6 inches)
Total Height	382±2mm (15.04 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	AGM	SiO ₂ +H ₂ SO ₄

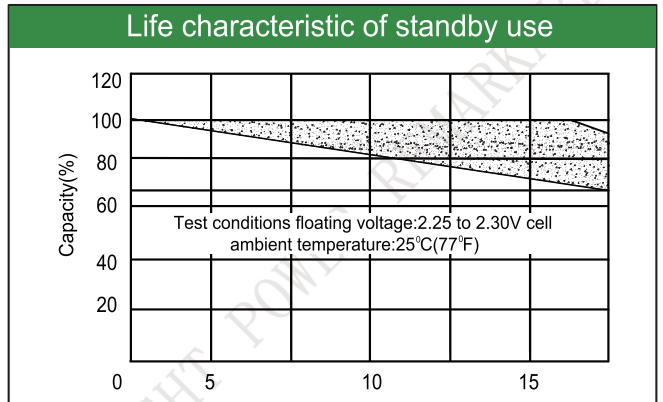
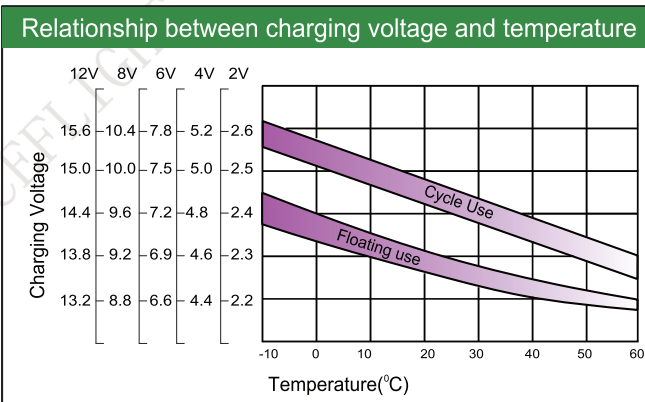
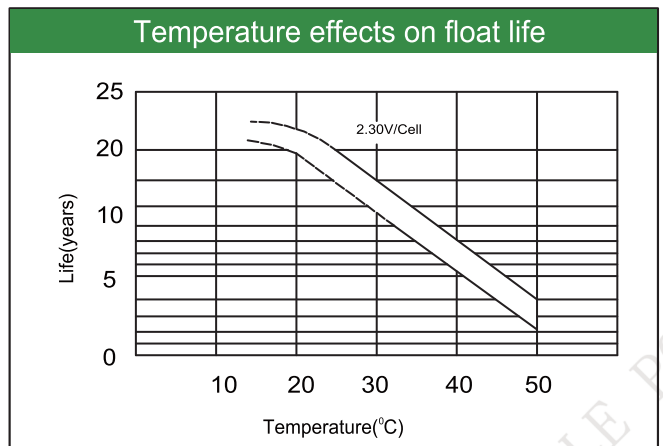
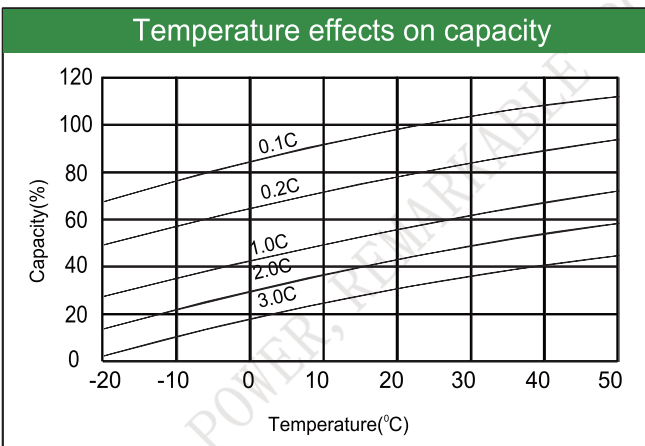
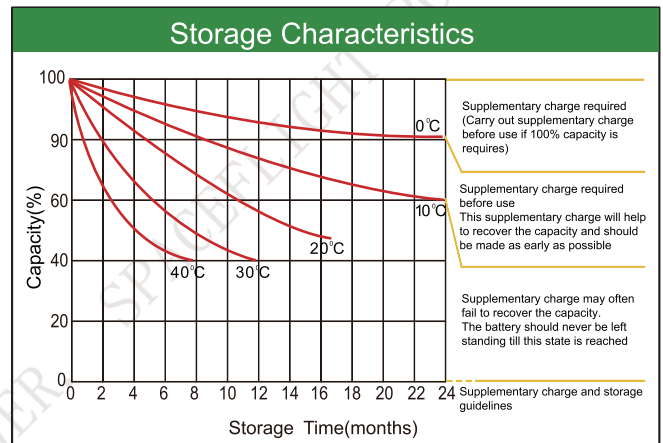
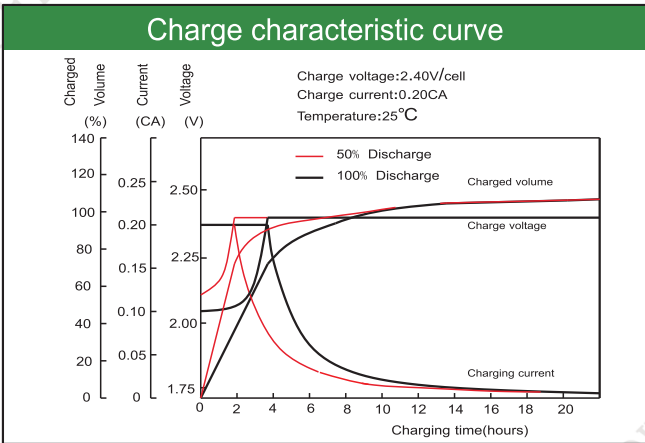
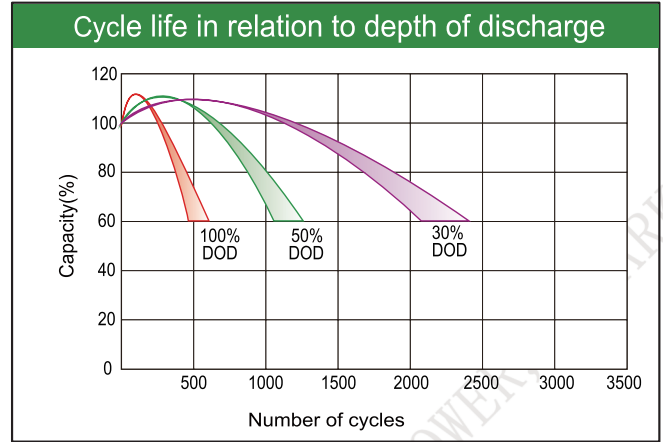
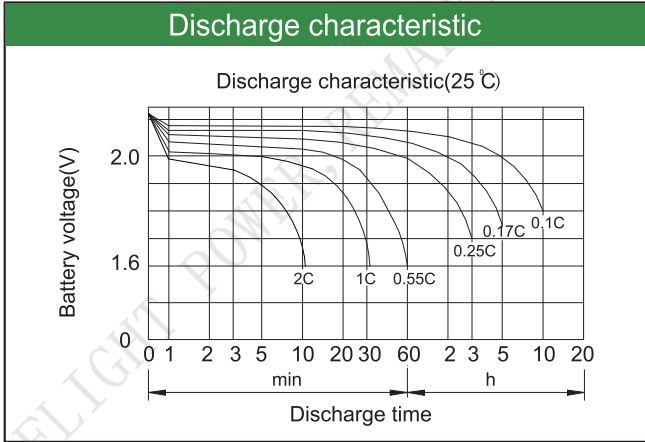
Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V	/	2567	2270	1489	1079	920	398	286	160
1.65V	/	2433	2159	1424	1035	896	388	280	157
1.70V	/	2296	2046	1354	989	863	378	274	155
1.75V	/	2151	1931	1284	941	837	367	268	152
1.80V	/	2009	1815	1212	875	797	355	260	150

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

E.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	/	4172	3753	2441	1759	1524	1018	673	475
1.65V	/	4098	3628	2374	1728	1499	1007	668	471
1.70V	/	3967	3529	2340	1711	1491	970	660	463
1.75V	/	3816	3437	2272	1665	1479	929	654	461
1.80V	/	3672	3339	2229	1603	1467	884	651	451

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



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