SPACEFLIGHT POWER SUPPLY CO., LTD.

HT180-6X(6V180Ah)

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℃)
- Non-spillable construction
- Sealed and maintenance-free
- High reliability and stability
- High purity raw material: long life and low self-discharge

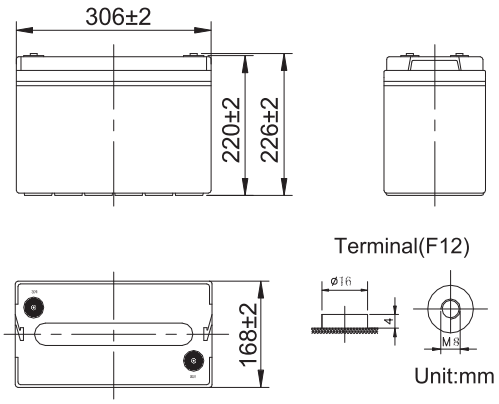
Standards

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

Specifications

Rated Voltage		6V
Nominal Capacity	180Ah	(C_{10},5.25V)
Approx Weight		26kg±3%(57.32lbs)
Terminal		F12
Rated Capacity(25℃)	190 Ah 180 Ah 155 Ah 110 Ah	(20hr,9.5A,5.25V) (10hr,18A,5.25V) (5hr,31A,5.25V) (1hr,110A,4.8V)
Max.Discharge Current		1800A(5s)
Max.Charge Current		45A
Internal Resistance(25℃)		Approx 2mΩ
Operating Temp.Range	Discharge Charge Storage	-20~60℃(-4~140℉) -10~50℃(14~122℉) -20~60℃(-4~140℉)
Nominal operating temperature		25±-5℃
Charge Voltage @25℃(77℉)	Cycle Use	Initial Charging Current less than 45A. Voltage 7.2V~7.5V at 25℃(77℉)Temp. Coefficient -30mV/℃
	Standby Use	Initial Charging Current less than 45A. Voltage 6.75V~6.9V at 25℃(77℉)Temp. Coefficient -20mV/℃
Temperature effects on capacity	40℃ (104℉) 25℃ (77℉) 0℃ (32℉) -15℃ (5℉)	103% 100% 86% 65%
Self Discharge(25℃)	Capacity after 3 months storage Capacity after 6 months storage Capacity after 12 months storage	91% 82% 65%

Dimensions unit:mm



Length	306±2mm (12.1 inches)
Width	168±2mm (6.61 inches)
Container Height	220±2mm (8.66 inches)
Total Height	226±2mm (8.90 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℃(77℉)

E.V/Time	5min	10min	15min	30min	60min	3h	5h	10h	20h
1.60V	/	370	300	195	110	48.1	32.1	18.6	9.75
1.65V	/	355	290	190	109	47.6	31.8	18.5	9.70
1.70V	/	338	279	184	108	47.0	31.4	18.5	9.60
1.75V	/	319	267	178	107	46.0	31.0	18.0	9.50
1.80V	/	298	253	171	106	45.4	30.5	17.9	9.30

Constant Power Discharge (Watts/cell) at 25℃(77℉)

E.V/Time	5min	10min	15min	30min	45min	60min	2h	3h	5h
1.60V	860	685	563	366	250	228	128	88.2	60.5
1.65V	825	652	543	354	245	224	124	87.2	60.2
1.70V	772	617	524	344	239	220	122	86.1	59.7
1.75V	718	584	502	333	233	215	120	85.1	59.4
1.80V	669	548	479	322	229	208	119	83.7	58.7

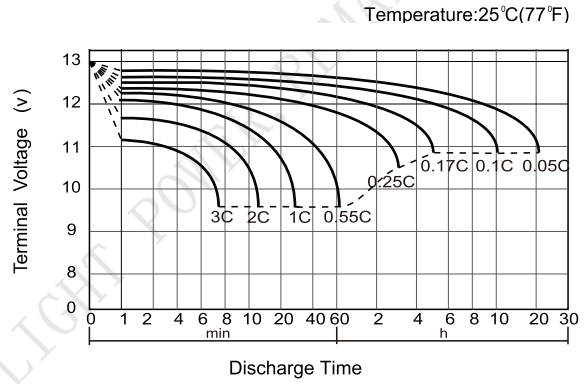
Note: The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum.

SPACEFLIGHT POWER SUPPLY CO., LTD.

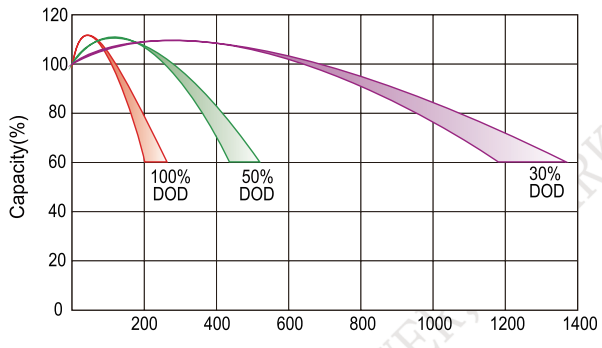
非凡电源 REMARKABLE ENERGY

HT180-6X(6V180Ah)

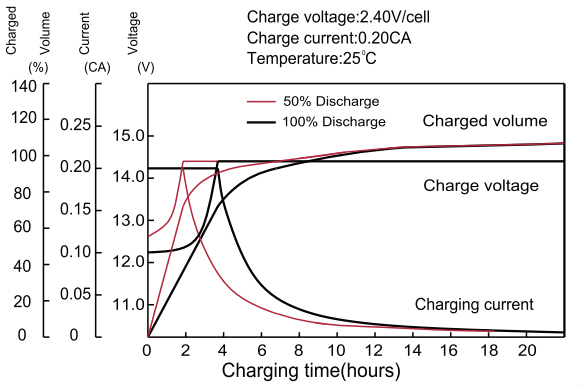
Discharge characteristic



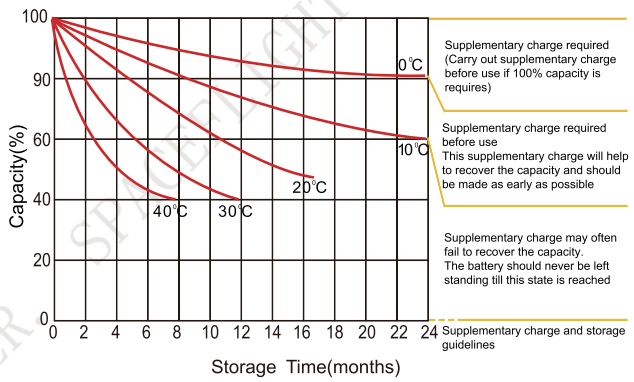
Cycle life in relation to depth of discharge



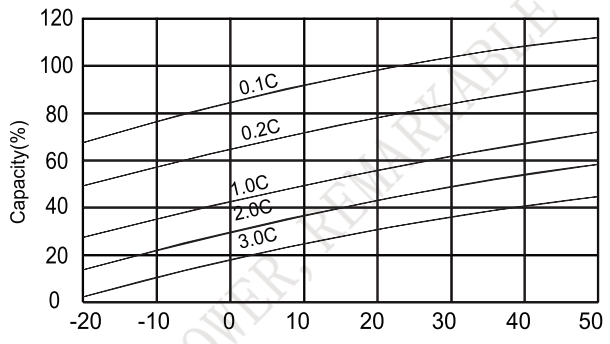
Charge characteristic curve



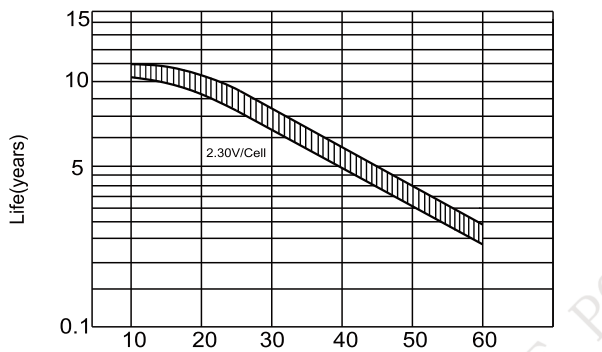
Storage Characteristics



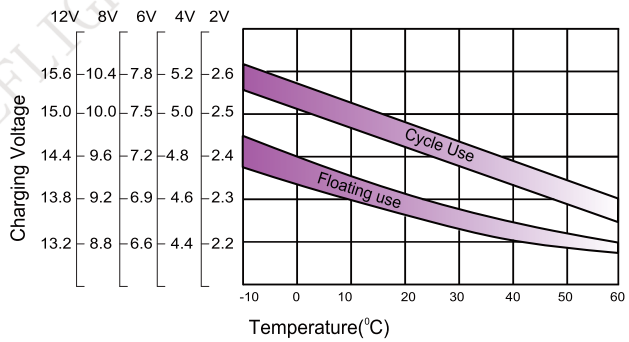
Temperature effects on capacity



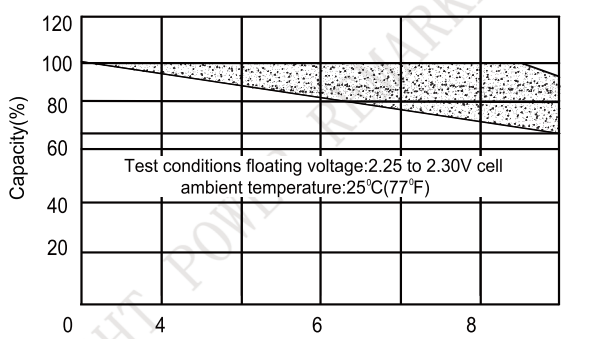
Temperature effects on float life



Relationship between charging voltage and temperature



Life characteristic of standby use



Factory address: Fukang Industrial Zone, Longnan, Ganzhou, Jiangxi Province, China.
Shenzhen Office: RM208-210, Building D, Tongju industrial Park, No.4, Longping WestRoad,Longgang District,Shenzhen.
TEL:+86-755-28288189 **sales@sfbattery.com** **www.sfbattery.com**