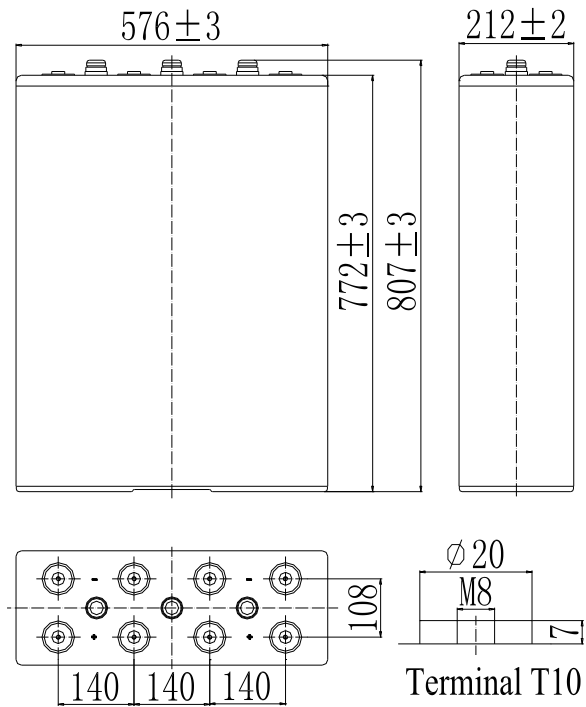


Specifications

Nominal Voltage		2 V
Capacity (20°C)	120HR(1.85V)	4080Ah
	10HR(1.80V)	3350 Ah
	5HR(1.75V)	3000Ah
Dimension	Length	576 ± 3mm (22.68inch)
	Width	212 ± 2mm (8.35inch)
	Height	772 ± 3mm (30.39inch)
	Total Height	807 ± 3mm (31.77inch)
Approx. Weight		230 kg (506lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 20°C)		Approx. 0.13m Ω
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (20°C)	3 month	Remaining Capacity: 95.5%
	6 month	Remaining Capacity: 91.5%
	12 month	Remaining Capacity: 82.0%
Nominal operating temperature		20°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(20°C)		2.25 to 2.27V Temperature compensation: -3mV/°C
Cyclic charging voltage(20°C)		2.38 to 2.43V Temperature compensation: -4mV/°C
Maximum charging current		670A
Terminal material		Copper
Maximum discharge current		18,000A(5 sec.)
Designed floating life(20°C)		20 years

Dimensions



- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS container.
- ◆ DIN 40742 Standard

Constant Current Discharge Characteristics (A, 20°C)

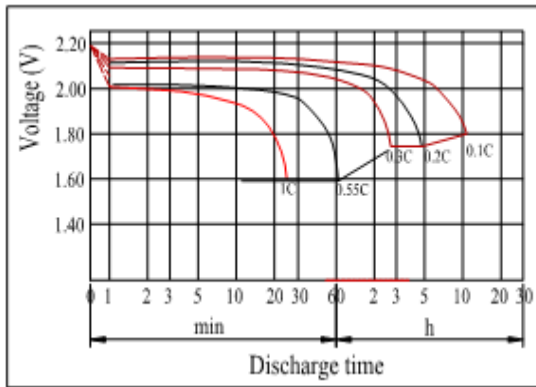
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	2698	1873	1145	881	711	607	521	411	340	179	155	---	----	----	----
1.70V	2617	1827	1135	875	704	601	518	408	337	179	154	81.8	----	---	----
1.75V	2552	1790	1118	869	701	598	514	404	337	178	154	81.4	55.4	---	---
1.80V	2458	1736	1088	842	681	581	497	390	335	177	153	80.8	55.1	----	---
1.85V	2335	1650	1035	798	648	551	474	370	318	169	146	79.2	54.1	40.4	34.0

Constant Power Discharge Characteristics (Watt, 20°C)

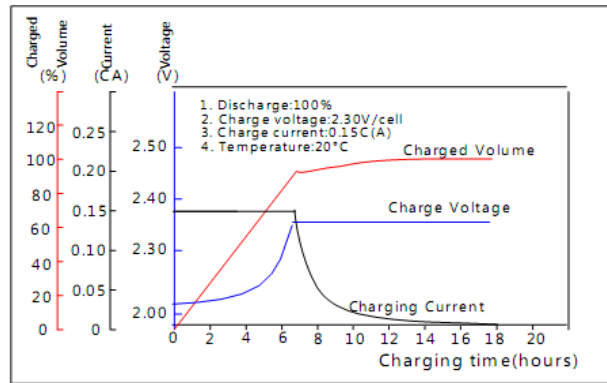
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	5046	3563	2210	1727	1393	1195	1029	811	674	361	312	---	----	----	----
1.70V	4891	3472	2191	1713	1382	1186	1021	805	670	357	309	165	----	---	----
1.75V	4770	3402	2157	1703	1376	1179	1012	801	668	357	308	164	113	---	---
1.80V	4596	3298	2103	1650	1332	1142	982	775	665	354	307	163	112	----	---
1.85V	4366	3135	2000	1565	1266	1085	932	734	635	336	292	160	110	81.4	69.5

Note: The above characteristics data can be obtained within three charge/discharge cycles.

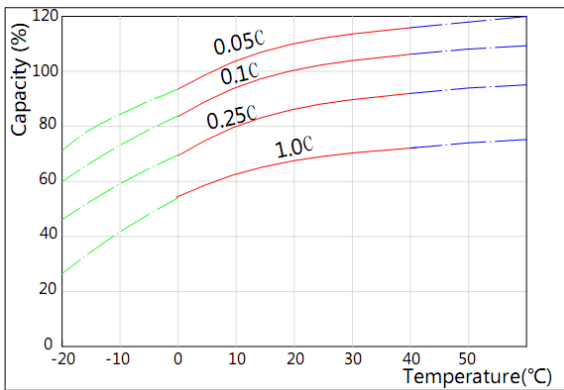
Discharge Characteristics(20°C)



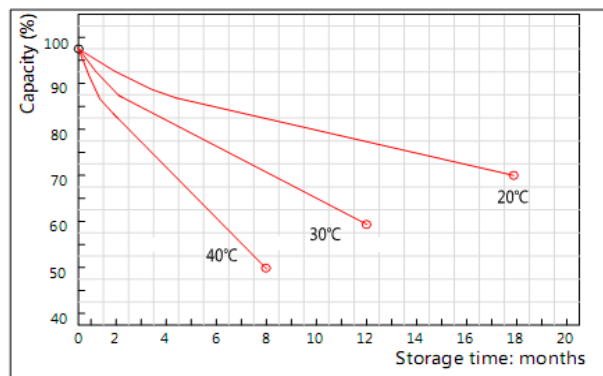
Charging Characteristics(20°C)



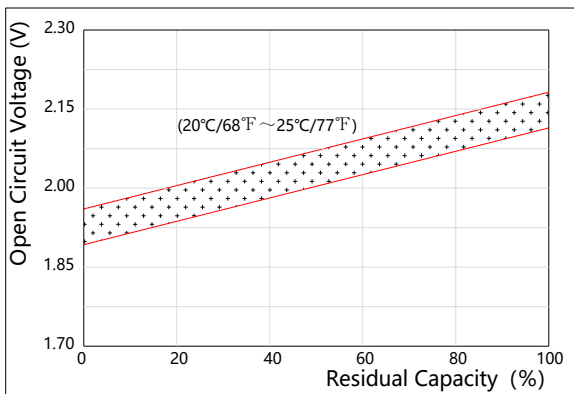
Effect of Temperature on Capacity



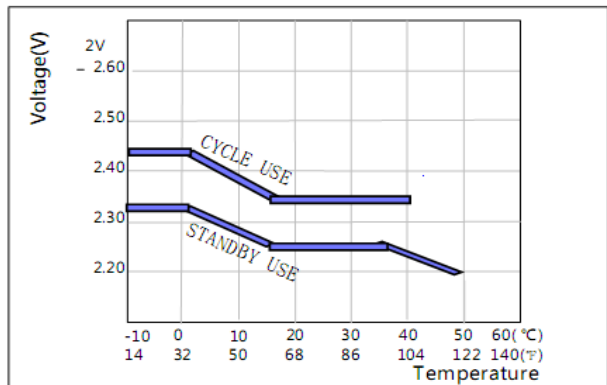
Self-discharge Characteristics



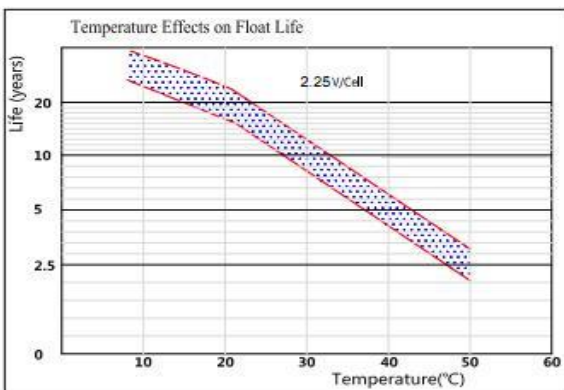
The Relationship for Open Circuit Voltage and Residual Capacity (20°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(20°C)

