

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	2500 Ah
	3HR(1.75V)	1950Ah
	1HR(1.75V)	1341Ah
Dimension	Length	487±3mm (19.17inch)
	Width	212±2mm (8.35inch)
	Height	772±3mm (30.39inch)
	Total Height	807±3mm (31.77inch)
Approx. Weight		165kg (363.7lbs)±4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.40mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 93%
	6 month	Remaining Capacity: 85%
	12 month	Remaining Capacity: 72%
Nominal operating temperature		25°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(25°C)		2.25 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35to 2.40V Temperature compensation: -5mV/°C
Maximum charging current		500A
Terminal material		Copper
Maximum discharge current		10000A(5 sec.)
Designed floating life(20°C)		20 years

- Gelled electrolyte technology;
- Tubular Positive Plate;
- ABS container.

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h
1.60V	2750	2125	1425	863	663	536	456	393	309	255	135	116	61.7
1.65V	2684	2083	1404	858	659	532	454	390	307	254	135	116	61.5
1.70V	2585	2019	1368	850	655	529	451	388	305	253	134	115	61.3
1.75V	2497	1970	1341	837	650	525	448	385	303	252	133	115	60.9
1.80V	2365	1898	1300	816	631	509	434	373	293	250	133	115	60.5

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h
1.60V	5033	3974	2708	1665	1299	1050	899	774	611	506	270	234	124.7
1.65V	4912	3894	2667	1655	1292	1043	894	769	607	505	269	233	124.3
1.70V	4731	3775	2599	1641	1283	1036	888	764	603	504	268	232	123.8
1.75V	4570	3684	2548	1616	1274	1029	882	758	599	501	267	231	123.1
1.80V	4328	3549	2469	1575	1236	998	855	736	581	498	265	230	122.2

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

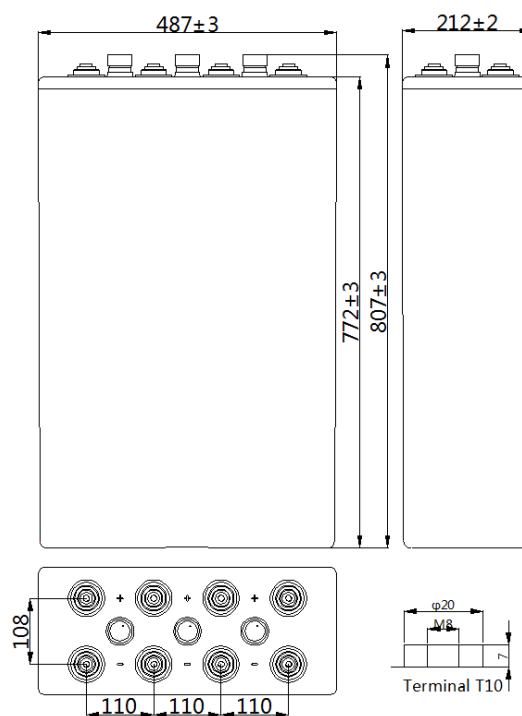
Long Life

Excellent Performance

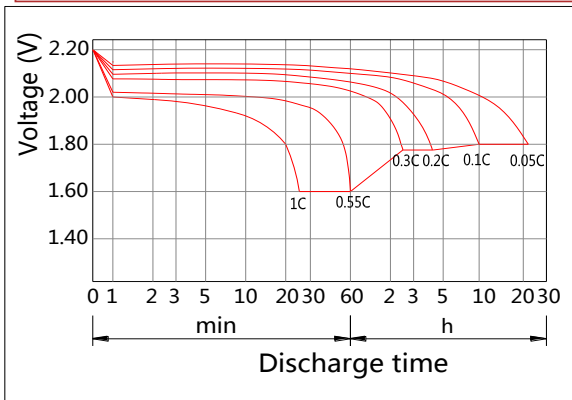
Safety Protection



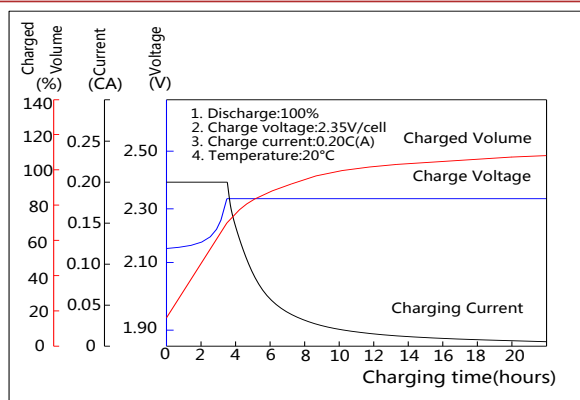
Dimensions



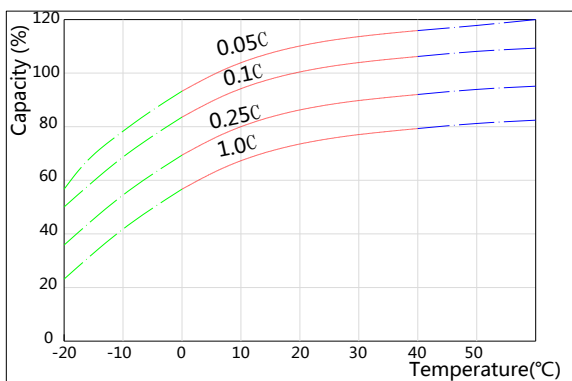
Discharge Characteristics(25 °C)



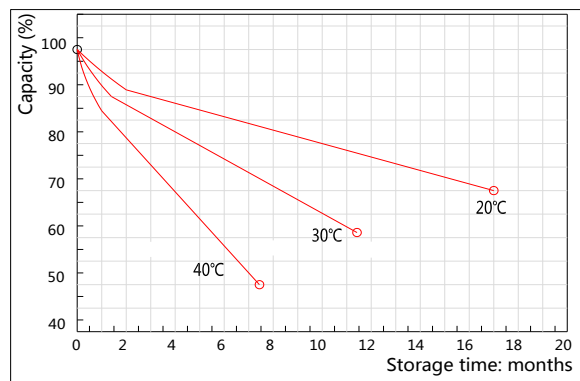
Charging Characteristics(25 °C)



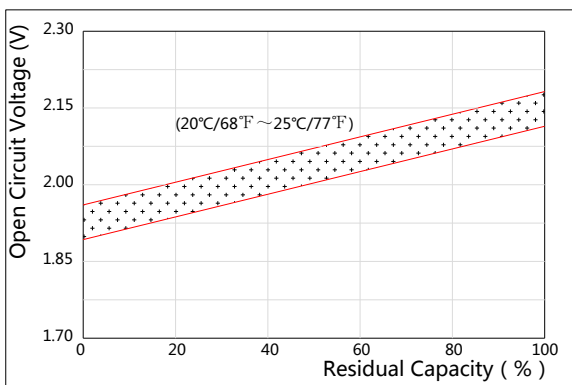
Effect of Temperature on Capacity



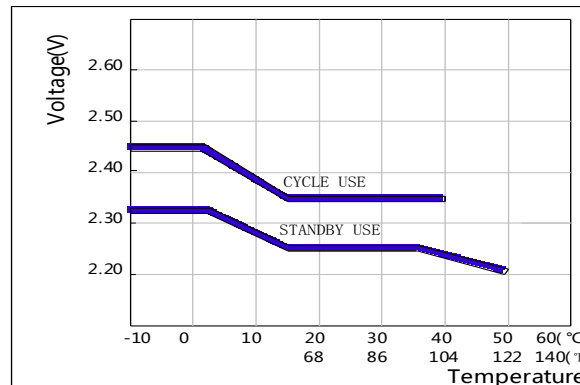
Self-discharge Characteristics



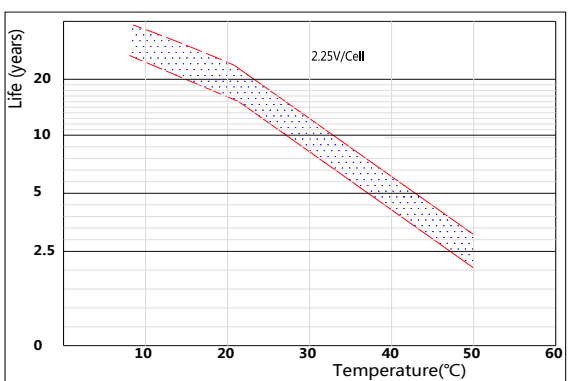
The Relationship for Open Circuit Voltage and Residual Capacity (25 °C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25 °C)

