

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	2500 Ah
	3HR(1.75V)	1914Ah
	1HR(1.75V)	1412Ah
Dimension	Length	487 ± 3mm (19.17inch)
	Width	212 ± 2mm (8.35inch)
	Height	772 ± 3mm (30.39inch)
	Total Height	807 ± 3mm (31.77inch)
Approx. Weight		185kg (407.9lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.15m Ω
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: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
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)		2.42 to 2.48V Temperature compensation: -5mV/°C
Maximum charging current		500A
Terminal material		Copper
Maximum discharge current		13000A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

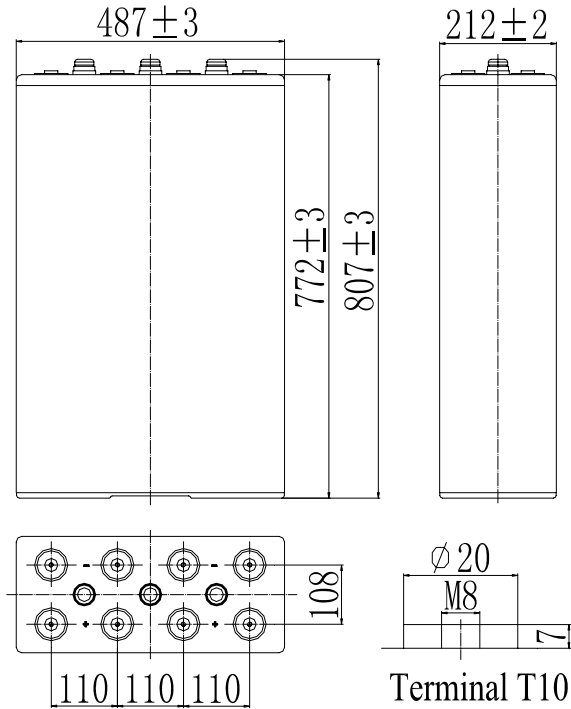
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	2250	1500	914	650	523	454	390	306	255	134	116
1.65V	2205	1478	908	646	520	451	388	304	254	133	116
1.70V	2138	1440	900	642	516	448	385	302	253	133	115
1.75V	2086	1412	887	638	513	445	383	300	252	132	115
1.80V	2009	1368	864	618	497	432	371	291	250	131	114

Constant Power Discharge Characteristics (Watt, 25°C)

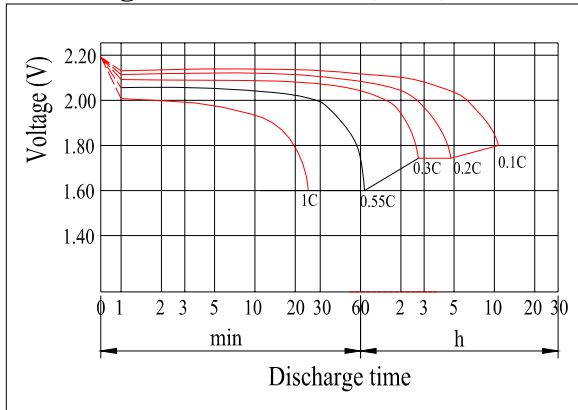
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	4208	2850	1763	1274	1025	894	769	609	506	267	233
1.65V	4123	2807	1753	1267	1019	889	764	605	505	267	232
1.70V	3997	2736	1737	1258	1012	883	759	601	504	266	232
1.75V	3900	2682	1711	1250	1005	877	754	597	501	264	230
1.80V	3757	2599	1668	1212	974	850	731	579	498	263	229

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

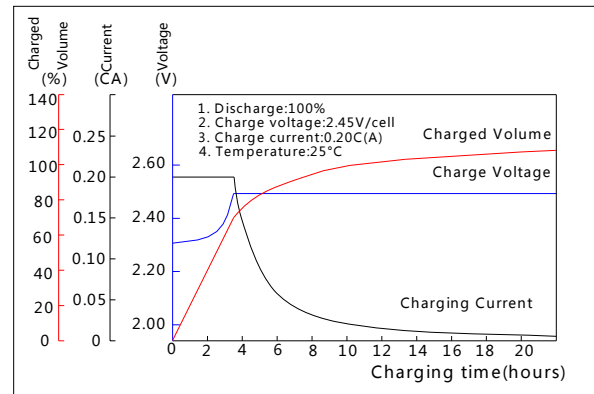
Dimensions



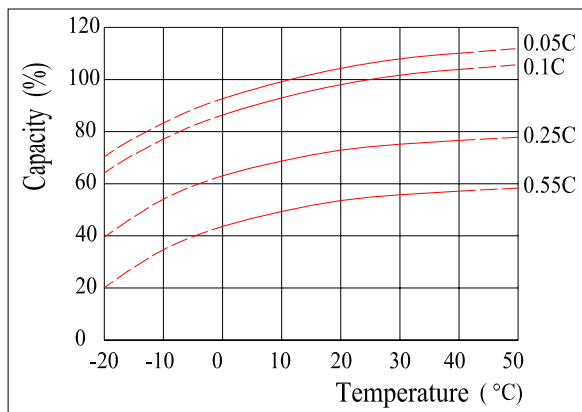
Discharge Characteristics(25°C)



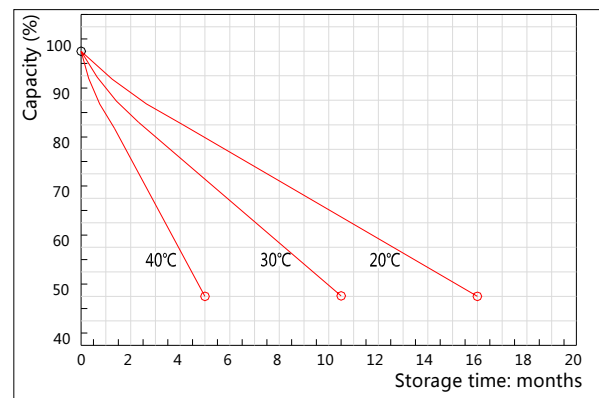
Charging Characteristics(25°C)



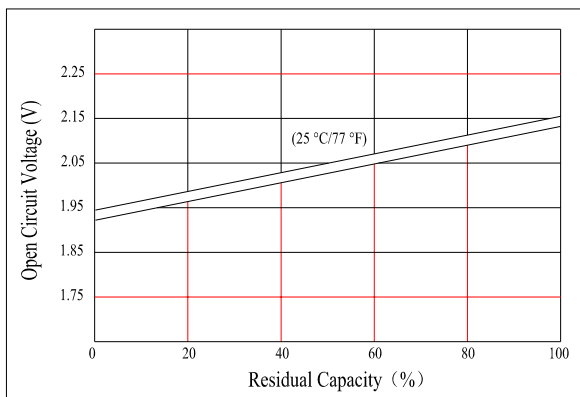
Effect of Temperature on Capacity



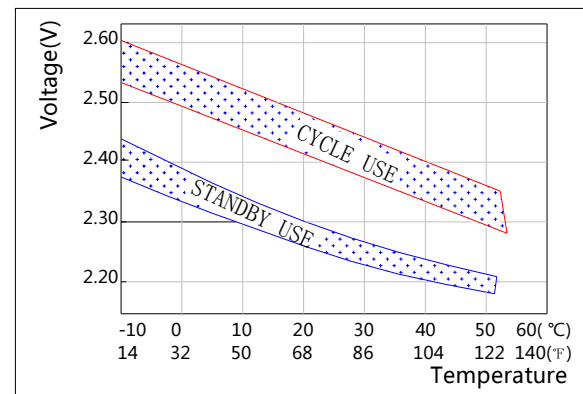
Self-discharge Characteristics



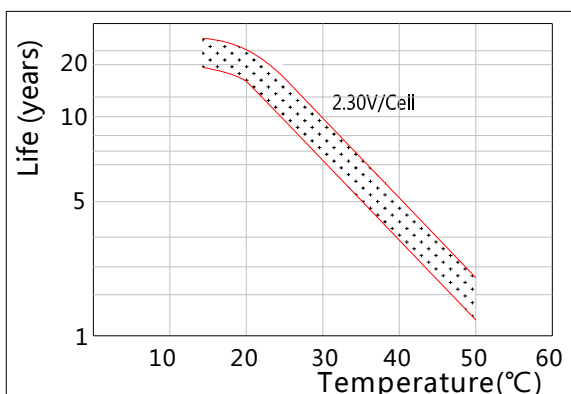
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

