

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	2000 Ah
	3HR(1.75V)	1500Ah
	1HR(1.60V)	1138Ah
Dimension	Length	399 ± 3mm (15.7inch)
	Width	210 ± 2mm (8.27inch)
	Height	772 ± 3mm (30.39inch)
	Total Height	807 ± 3mm (31.77inch)
Approx. Weight		150kg (330lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.20m Ω
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (25°C)	3 month	Remaining Capacity: 94%
	6 month	Remaining Capacity: 88%
	12 month	Remaining Capacity: 75%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 55°C (5°F ~ 131°F)
	Charge	-10°C ~ 55°C (14°F ~ 131°F)
	Storage	-20°C ~ 55°C (-4°F ~ 131°F)
Float charging voltage(25°C)		2.25 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -5mV/°C
Maximum charging current		400A
Terminal material		Copper
Maximum discharge current		10000A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ PVC separator;
- ◆ 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	48h	120h
1.60V	1600	1138	700	512	412	360	310	242	204	108	---	---
1.65V	1578	1118	700	512	408	358	308	242	204	108	--	--
1.70V	1538	1080	698	502	402	352	306	240	202	106	48.8	---
1.75V	1500	1060	680	500	402	352	302	238	202	106	48.8	20.2
1.80V	1460	1020	662	482	390	342	292	230	200	105	48.2	20.0

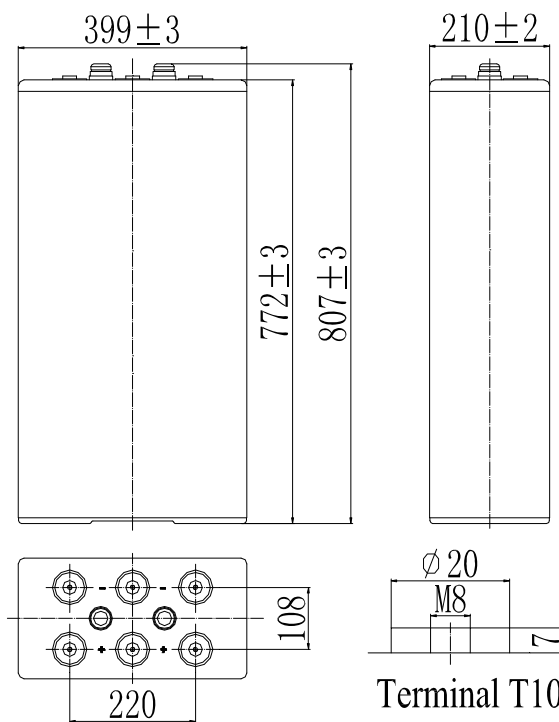
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	2998	2140	1358	1000	802	702	612	482	408	214	---	---
1.65V	2938	2118	1340	998	800	702	602	480	402	214	--	--
1.70V	2880	2058	1338	980	798	700	600	478	402	212	99.8	---
1.75V	2820	2018	1318	980	782	698	598	472	400	212	98.2	41.2
1.80V	2738	1960	1280	958	762	678	580	460	398	210	98.0	41.0

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

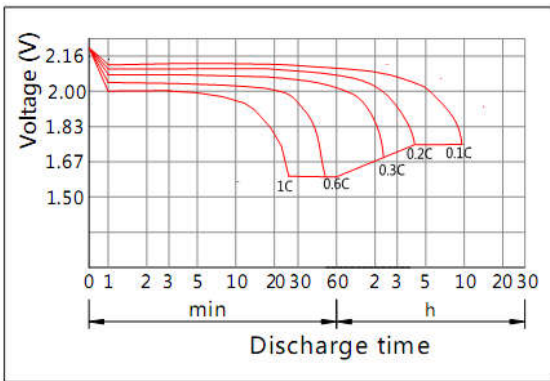


Dimensions

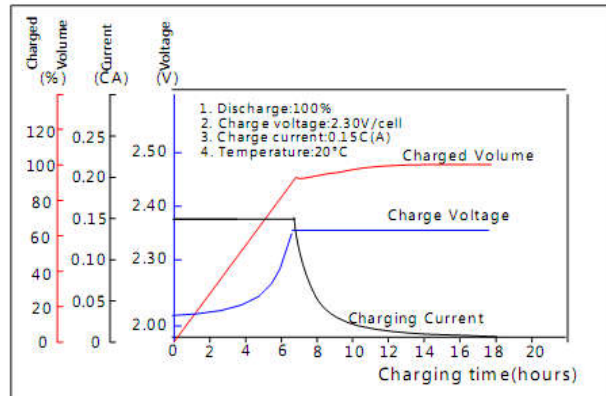


Terminal T10

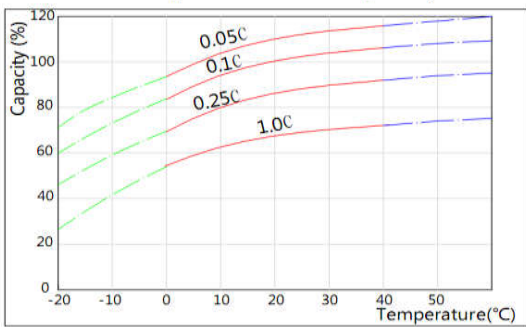
Discharge Characteristics(25°C)



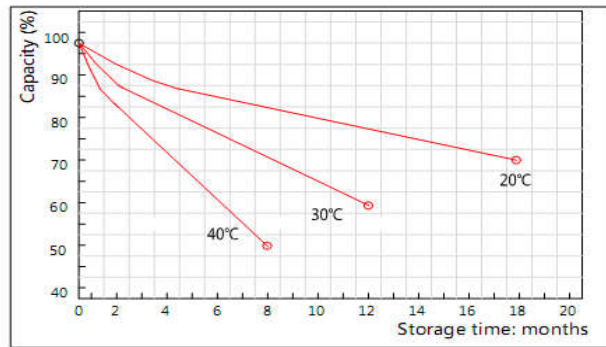
Charging Characteristics(25°C)



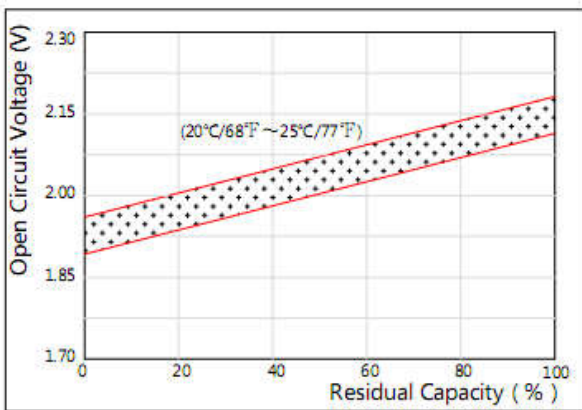
Effect of Temperature on Capacity



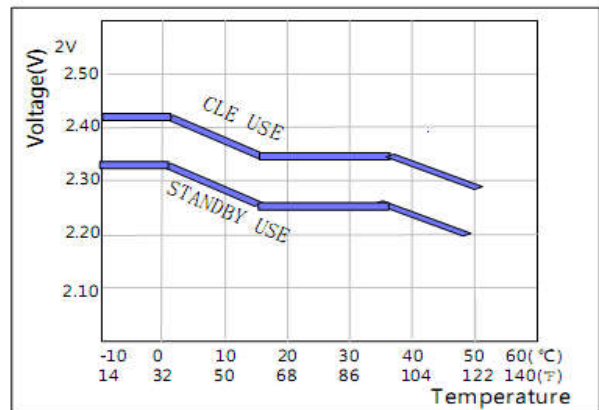
Self-discharge Characteristics



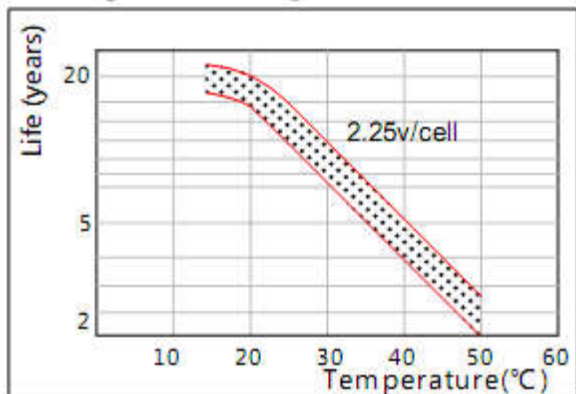
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

