

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	250 Ah
	3HR(1.75V)	187.5Ah
	1HR(1.60V)	141Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	124 ± 1mm (4.88inch)
	Height	355 ± 2mm (13.98inch)
	Total Height	390 ± 2mm (15.35inch)
Approx. Weight		19kg (41.8lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.80m 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		50A
Terminal material		Copper
Maximum discharge current		1250A(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)

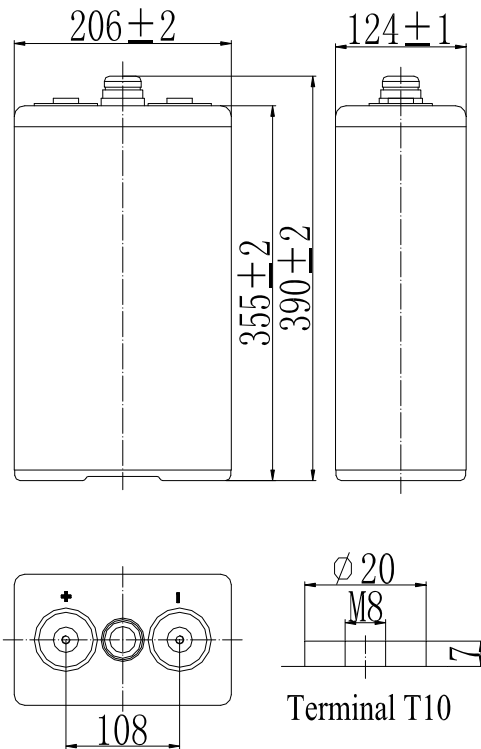
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	200	141	87.6	63.8	51.3	45.0	38.6	30.3	25.5	13.4	---	---
1.65V	196	139	87.1	63.5	51.0	44.5	38.4	30.3	25.5	13.4	--	--
1.70V	191	135	86.4	63.0	50.5	44.3	38.1	30.0	25.3	13.3	6.10	---
1.75V	188	133	85.3	62.5	50.3	44.0	37.9	29.8	25.3	13.3	6.10	2.53
1.80V	183	128	83.0	60.5	48.8	42.9	36.6	28.8	25.0	13.1	6.05	2.50

Constant Power Discharge Characteristics (Watt, 25°C)

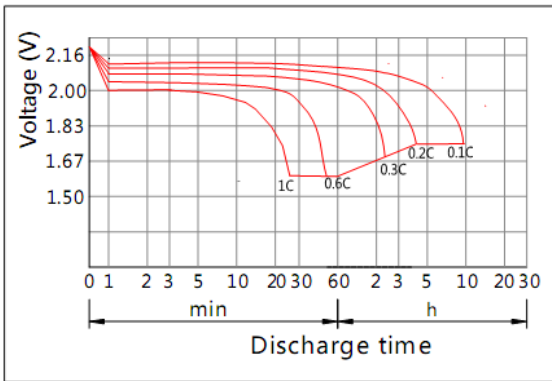
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	374	268	169	125	101	88.6	76.0	60.4	50.8	26.8	---	---
1.65V	366	264	168	124	99.8	88.1	75.8	59.9	50.5	26.8	--	--
1.70V	360	256	166	123	99.3	87.4	75.3	59.4	50.5	26.5	12.4	---
1.75V	353	251	164	123	98.5	86.9	74.5	59.1	50.0	26.5	12.3	5.15
1.80V	341	245	160	119	95.5	84.1	72.3	57.4	49.8	26.3	12.2	5.13

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

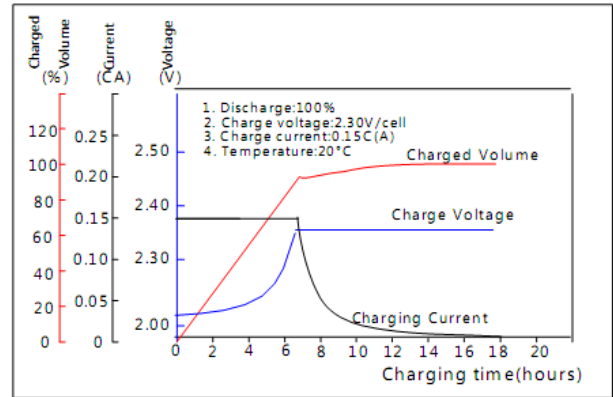
Dimensions



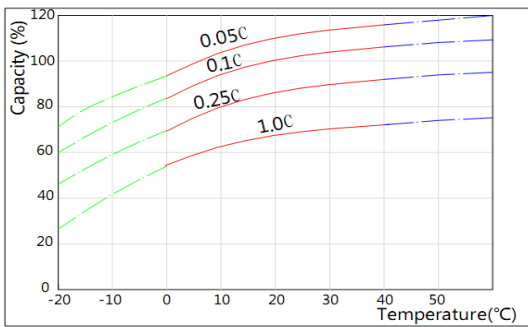
Discharge Characteristics(25°C)



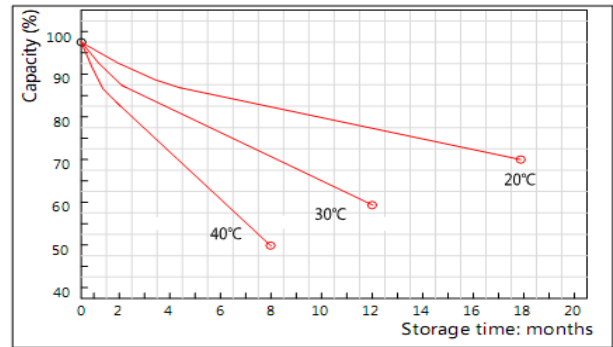
Charging Characteristics(25°C)



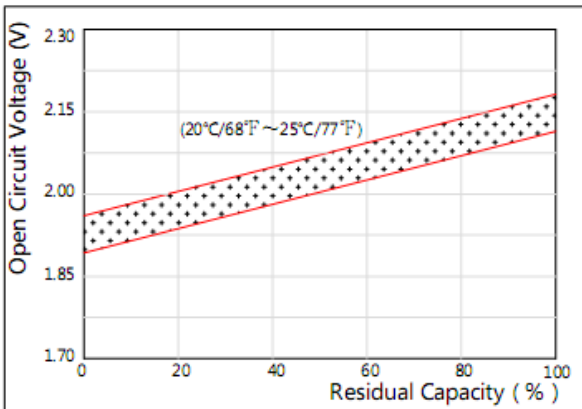
Effect of Temperature on Capacity



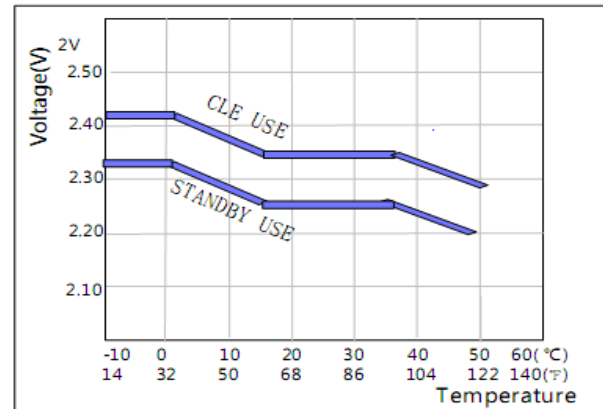
Self-discharge Characteristics



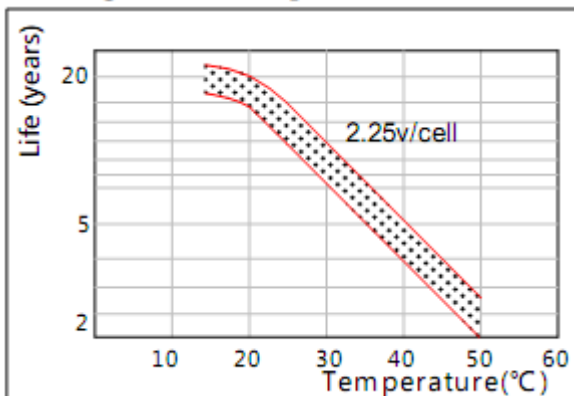
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

