

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	200 Ah
	3HR(1.75V)	150Ah
	1HR(1.60V)	113Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	103 ± 1mm (4.06inch)
	Height	355 ± 2mm (13.98inch)
	Total Height	390 ± 2mm (15.35inch)
Approx. Weight		15.5kg (34.1lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.90m 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		40A
Terminal material		Copper
Maximum discharge current		1000A(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)

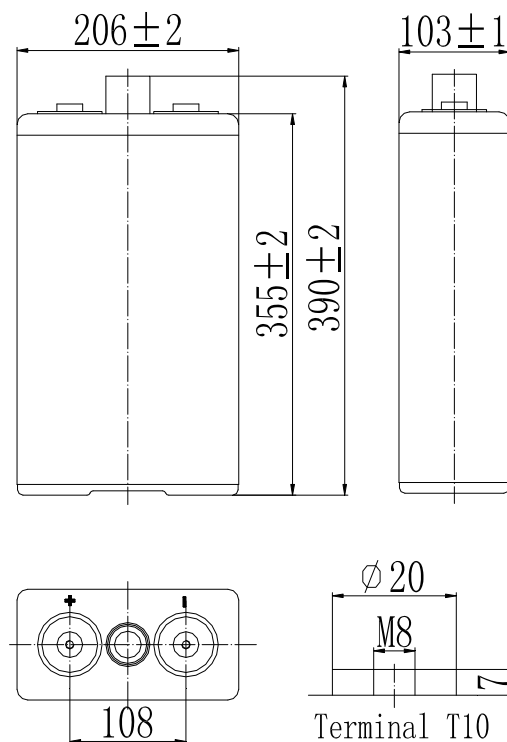
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	160	113	70.1	51.0	41.0	36.0	30.9	24.2	20.4	10.7	---	---
1.65V	157	111	69.7	50.8	40.8	35.6	30.7	24.2	20.4	10.7	--	--
1.70V	153	108	69.1	50.4	40.4	35.4	30.5	24.0	20.2	10.6	4.88	---
1.75V	150	106	68.2	50.0	40.2	35.2	30.3	23.8	20.2	10.6	4.88	2.02
1.80V	146	102	66.4	48.4	39.0	34.3	29.3	23.0	20.0	10.5	4.84	2.00

Constant Power Discharge Characteristics (Watt, 25°C)

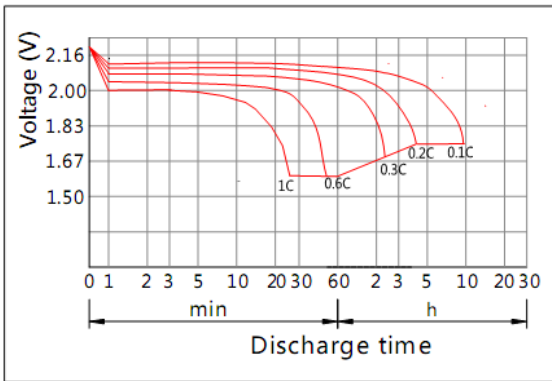
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	299	214	135	100	80.4	70.9	60.8	48.3	40.6	21.4	---	---
1.65V	293	211	134	99.0	79.8	70.5	60.6	47.9	40.4	21.4	--	--
1.70V	288	205	133	98.0	79.4	69.9	60.2	47.5	40.4	21.2	9.94	---
1.75V	282	201	131	98.0	78.8	69.5	59.6	47.3	40.0	21.2	9.84	4.12
1.80V	273	196	128	95.1	76.4	67.3	57.8	45.9	39.8	21.0	9.78	4.10

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

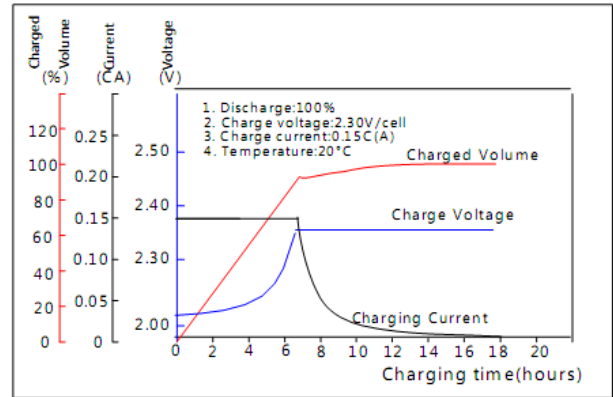
Dimensions



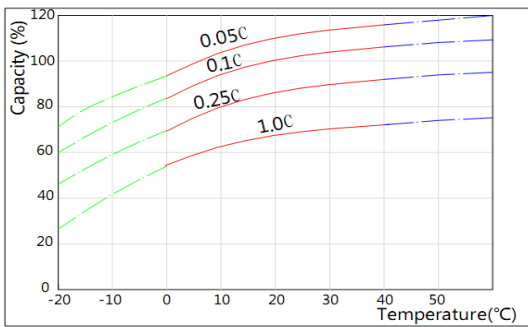
Discharge Characteristics(25°C)



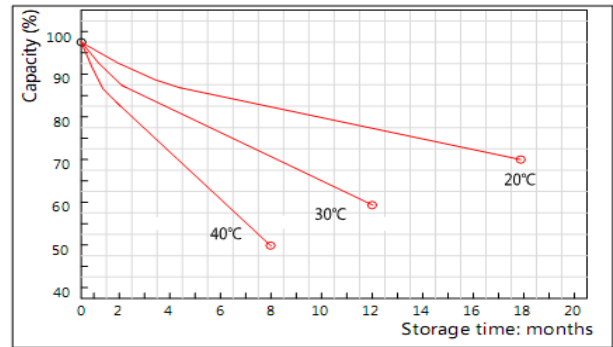
Charging Characteristics(25°C)



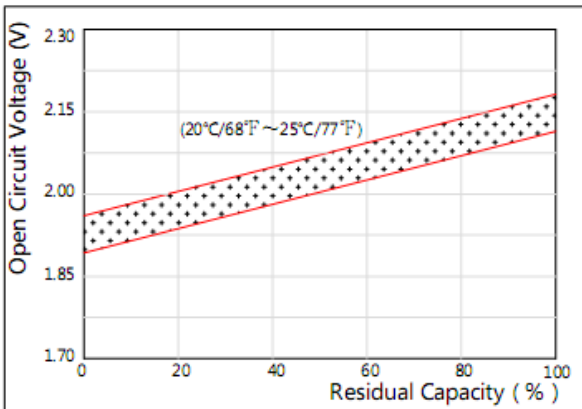
Effect of Temperature on Capacity



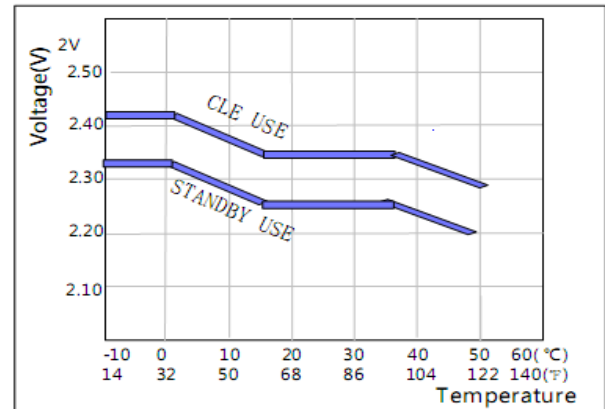
Self-discharge Characteristics



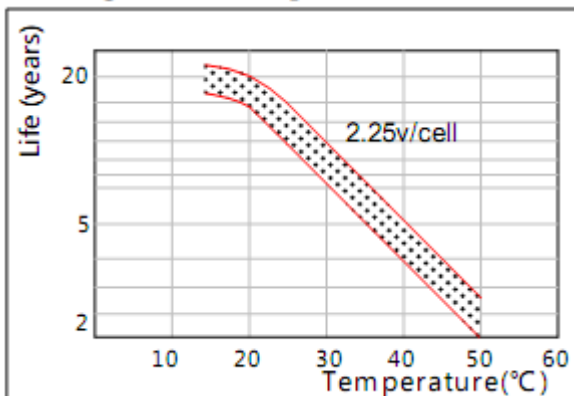
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

