

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	350 Ah
	3HR(1.75V)	262Ah
	1HR(1.60V)	197 Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	124 ± 1mm (4.88inch)
	Height	471 ± 2mm (18.54inch)
	Total Height	506 ± 2mm (19.92inch)
Approx. Weight		24kg (52.8lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.70m 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		70A
Terminal material		Copper
Maximum discharge current		1750A(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	280	197	123	89.3	71.8	63.0	54.0	42.4	35.7	18.8	---	---
1.65V	274	195	122	88.9	71.4	62.3	53.8	42.4	35.7	18.8	--	--
1.70V	267	189	121	88.2	70.7	62.0	53.3	42.0	35.4	18.6	8.54	---
1.75V	263	186	119	87.5	70.4	61.6	53.1	41.7	35.4	18.6	8.54	3.54
1.80V	256	179	116	84.7	68.3	60.1	51.2	40.3	35.0	18.3	8.47	3.50

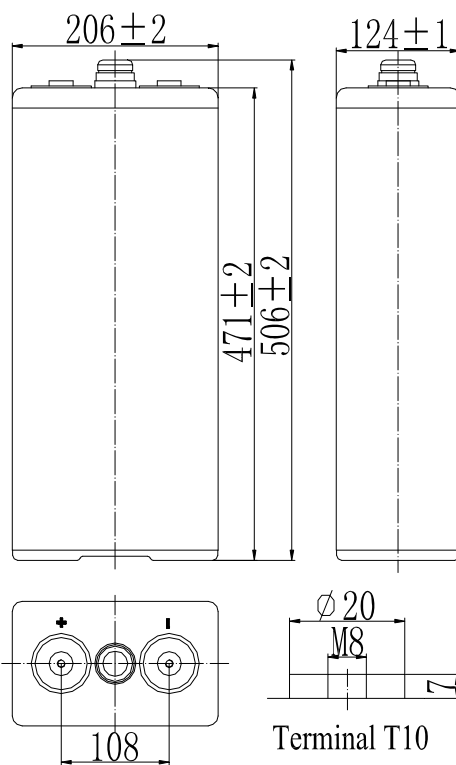
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	524	375	237	175	141	124	106	84.6	71.1	37.5	---	---
1.65V	512	370	235	174	140	123	106	83.9	70.7	37.5	--	--
1.70V	504	358	232	172	139	122	105	83.2	70.7	37.1	17.4	---
1.75V	494	351	230	172	138	122	104	82.7	70.0	37.1	17.2	7.21
1.80V	477	343	224	167	134	118	101	80.4	69.7	36.8	17.1	7.18

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



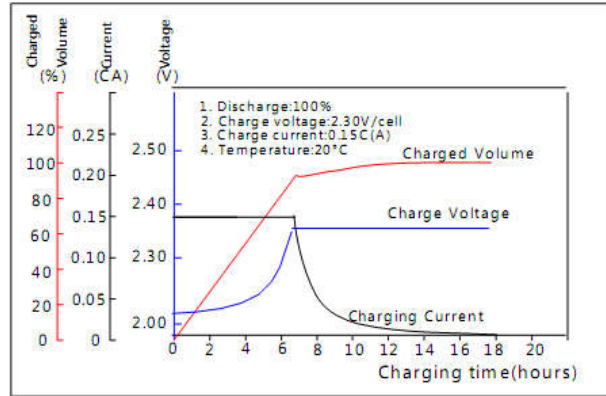
Dimensions



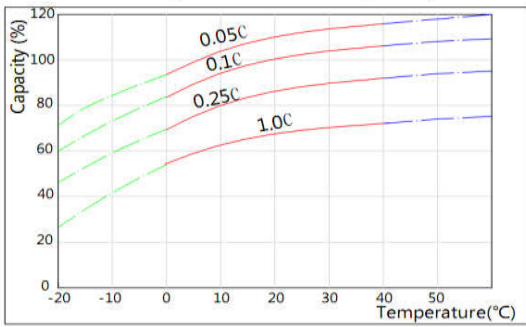
Discharge Characteristics(25°C)



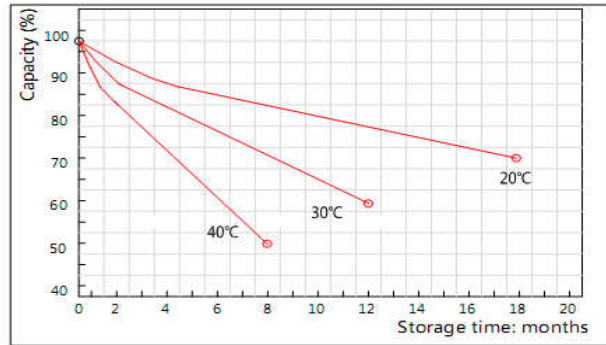
Charging Characteristics(25°C)



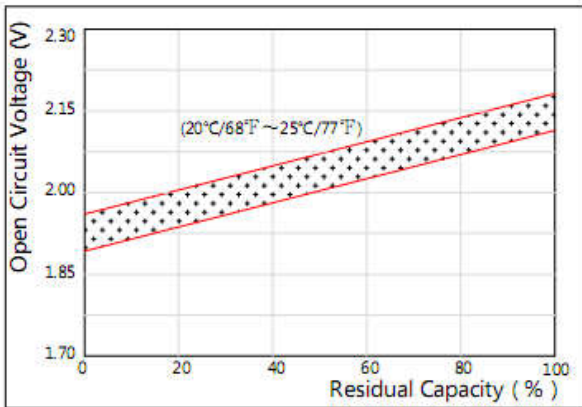
Effect of Temperature on Capacity



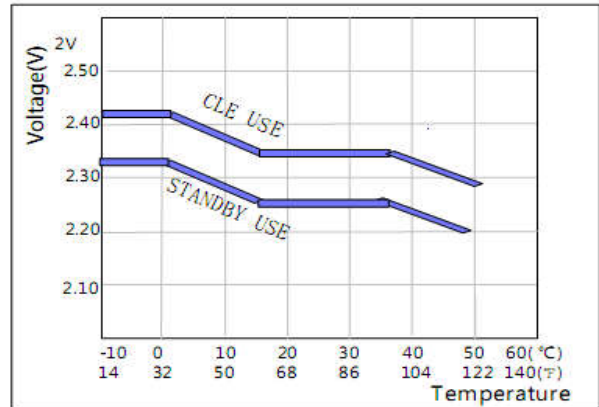
Self-discharge Characteristics



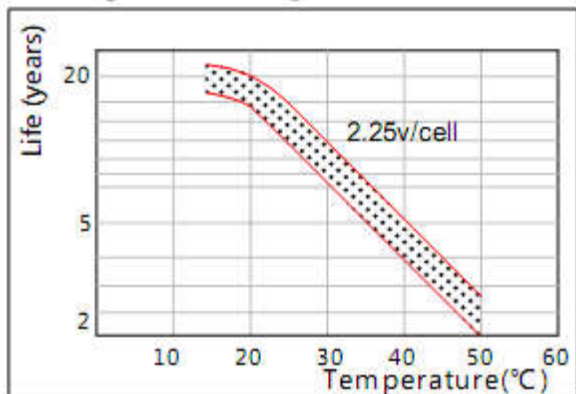
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

