

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	500 Ah
	3HR(1.75V)	387Ah
	1HR(1.60V)	300Ah
Dimension	Length	241 ± 2mm (9.49inch)
	Width	171 ± 2mm (6.73inch)
	Height	330 ± 2mm (12.99inch)
	Total Height	365 ± 2mm (14.37inch)
Approx. Weight		31.5kg (69.3lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.55m 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		100A
Terminal material		Copper
Maximum discharge current		2500A(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	425	300	184	130	105	91.0	78.0	61.0	51.0	26.9	---	---
1.65V	419	295	181	130	104	90.0	77.5	61.0	51.0	26.9	--	--
1.70V	409	289	180	129	103	89.5	77.0	60.5	50.5	26.5	12.2	---
1.75V	400	284	179	128	103	89.0	76.5	60.0	50.5	26.5	12.2	5.05
1.80V	389	274	174	124	99.5	86.5	74.0	58.0	50.0	26.4	12.1	5.00

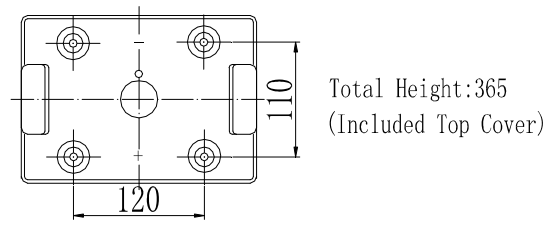
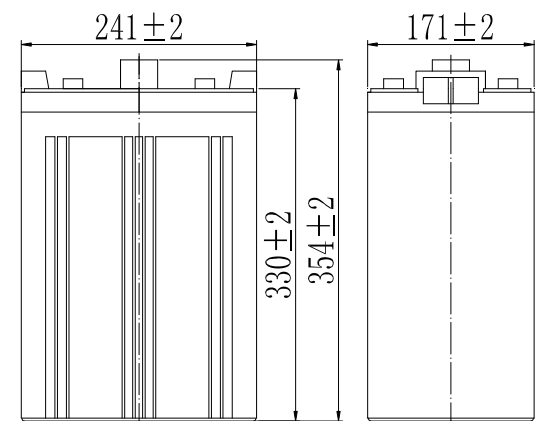
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	795	570	354	255	205	179	154	122	102	53.5	---	---
1.65V	780	560	350	254	204	179	153	121	101	53.5	--	--
1.70V	765	545	349	250	204	176	153	120	101	53.0	24.9	---
1.75V	750	535	340	250	201	175	150	120	100	53.0	24.6	10.30
1.80V	725	520	334	244	195	170	146	116	99.5	52.5	24.5	10.25

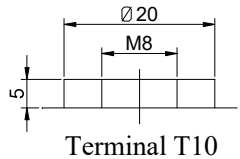
Note: The above characteristics data can be obtained within three charge/discharge cycles.



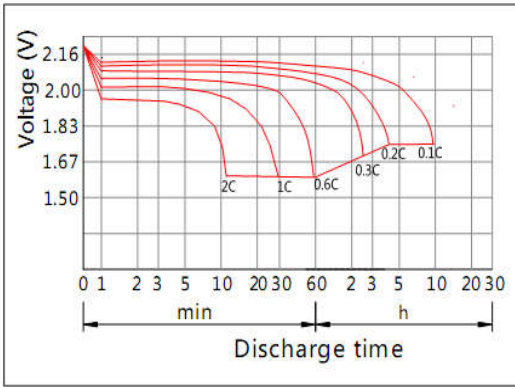
Dimensions



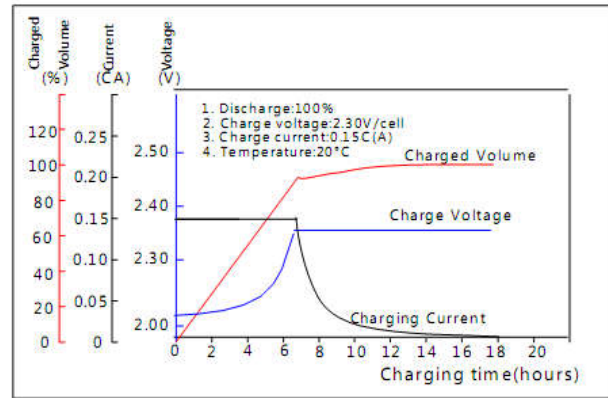
Terminal



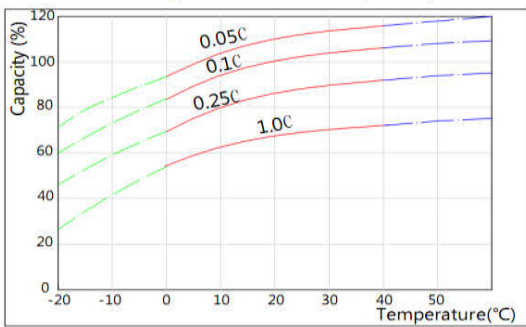
Discharge Characteristics(25°C)



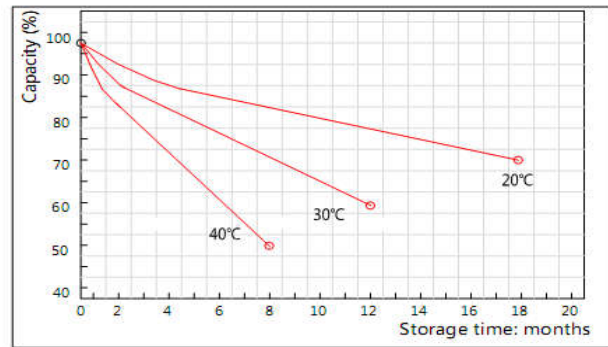
Charging Characteristics(25°C)



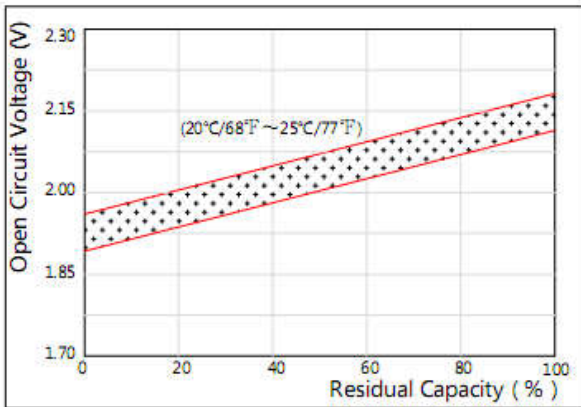
Effect of Temperature on Capacity



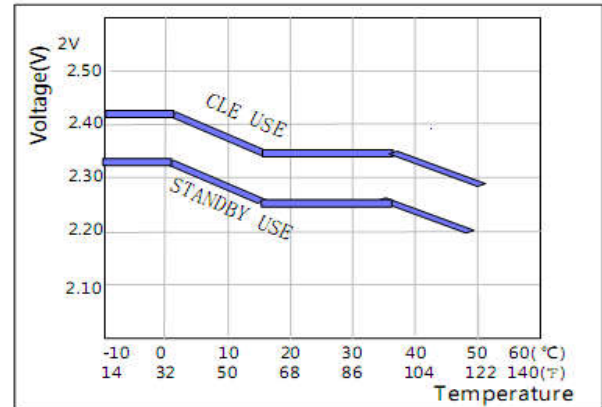
Self-discharge Characteristics



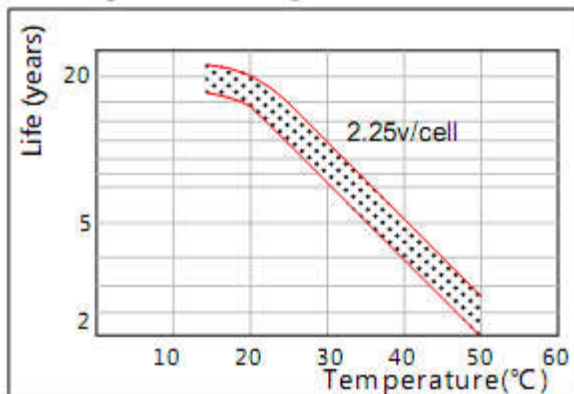
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

