

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	1200 Ah
	3HR(1.75V)	900Ah
	1HR(1.60V)	683Ah
Dimension	Length	275 ± 2mm (10.83inch)
	Width	210 ± 2mm (8.27inch)
	Height	646 ± 3mm (25.43inch)
	Total Height	681 ± 3mm (26.81inch)
Approx. Weight		87kg (191.4bs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.28m 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		240A
Terminal material		Copper
Maximum discharge current		6000A(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	960	683	420	307	247	216	186	145	122	64.7	---	---
1.65V	947	671	420	307	245	215	185	145	122	64.7	--	--
1.70V	923	648	419	301	241	211	184	144	121	63.6	29.3	---
1.75V	900	636	408	300	241	211	181	143	121	63.6	29.3	12.1
1.80V	876	612	397	289	234	205	175	138	120	63.5	28.9	12.0

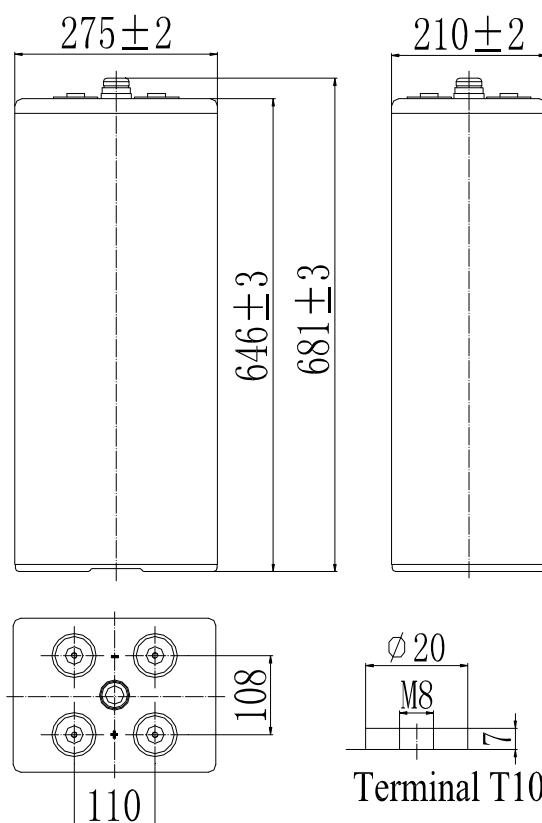
**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	1799	1284	815	600	481	421	367	289	245	128	---	---
1.65V	1763	1271	804	599	480	421	361	288	241	128	--	--
1.70V	1728	1235	803	588	479	420	360	287	241	127	59.9	---
1.75V	1692	1211	791	588	469	419	359	283	240	127	58.9	24.7
1.80V	1643	1176	768	575	457	407	348	276	239	126	58.8	24.6

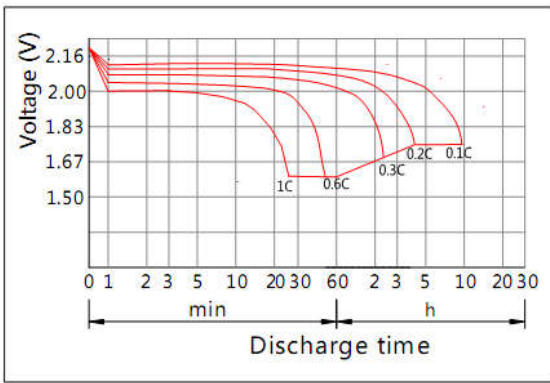
Note: The above characteristics data can be obtained within three charge/discharge cycles.



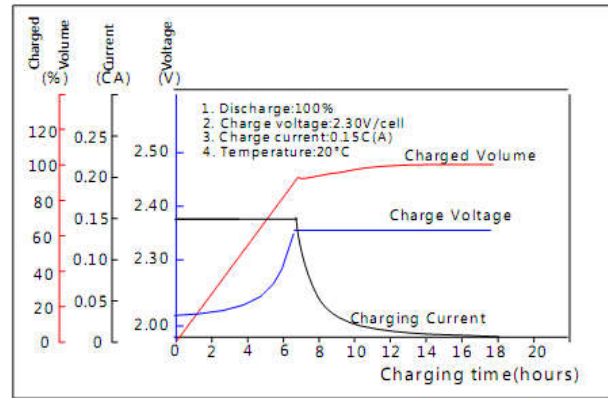
**Dimensions**



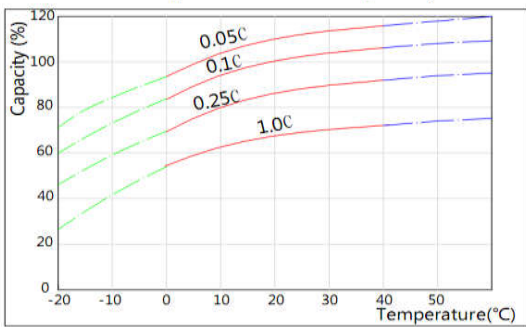
Discharge Characteristics(25°C)



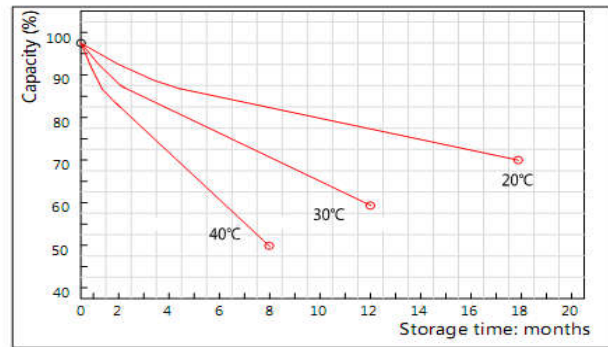
Charging Characteristics(25°C)



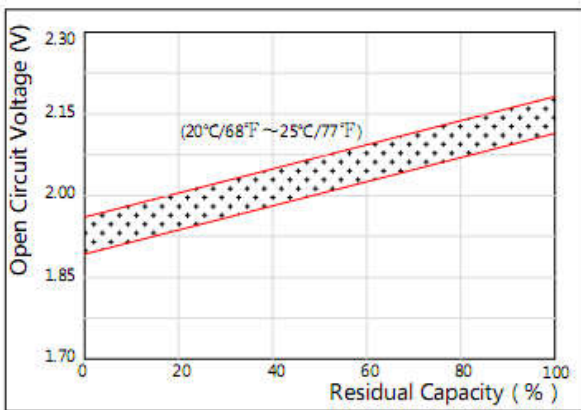
Effect of Temperature on Capacity



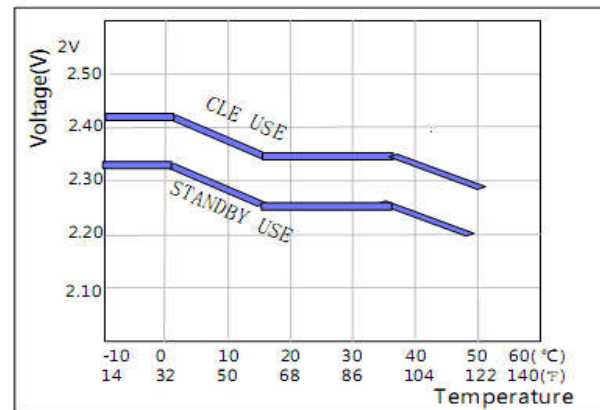
Self-discharge Characteristics



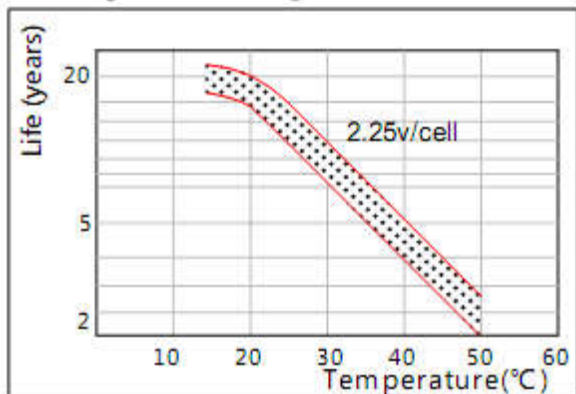
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

