

Specifications

Nominal Voltage		2 V
Capacity (20°C)	120HR(1.85V)	1460Ah
	10HR(1.80V)	1200 Ah
	5HR(1.75V)	1000Ah
Dimension	Length	233 ± 2mm (9.17inch)
	Width	210 ± 2mm (8.27inch)
	Height	646 ± 3mm (25.43inch)
	Total Height	681 ± 3mm (26.81inch)
Approx. Weight		82kg (180.4lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 20°C)		Approx. 0.32m Ω
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (20°C)	3 month	Remaining Capacity: 95.5%
	6 month	Remaining Capacity: 91.5%
	12 month	Remaining Capacity: 82.0%
Nominal operating temperature		20°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(20°C)		2.25 to 2.27V Temperature compensation: -3mV/°C
Cyclic charging voltage(20°C)		2.38 to 2.43V Temperature compensation: -4mV/°C
Maximum charging current		240A
Terminal material		Copper
Maximum discharge current		8000A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS container.
- ◆ DIN 40742 Standard.

Constant Current Discharge Characteristics (A, 20°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	970	673	412	317	256	216	187	148	122	64.6	55.7	---	----	----	----
1.70V	941	656	408	314	253	205	186	146	121	64.4	55.3	29.4	----	---	----
1.75V	917	643	402	312	252	200	185	145	121	64.1	55.2	29.3	19.9	---	---
1.80V	883	624	391	302	245	198	179	140	120	63.6	55.0	29.0	19.8	----	---
1.85V	839	593	372	287	233	190	170	133	114	60.5	52.2	28.4	19.4	14.5	12.2

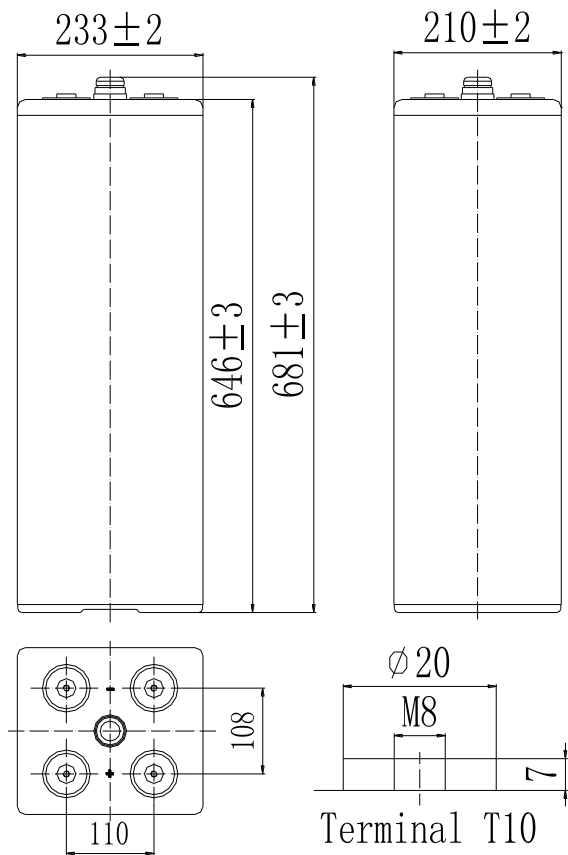
Constant Power Discharge Characteristics (Watt, 20°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1814	1280	794	620	500	430	370	292	242	130	112	---	----	----	----
1.70V	1758	1248	787	616	497	426	367	289	242	128	111	59.4	----	---	----
1.75V	1715	1223	775	612	494	400	364	288	240	128	111	59.0	40.7	---	---
1.80V	1652	1186	756	593	479	390	353	278	239	127	111	58.7	40.4	----	---
1.85V	1569	1127	719	563	455	375	335	264	227	121	105	57.5	39.6	29.3	25.0

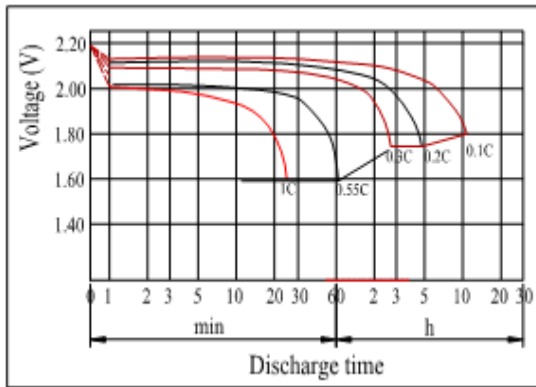
Note: The above characteristics data can be obtained within three charge/discharge cycles.



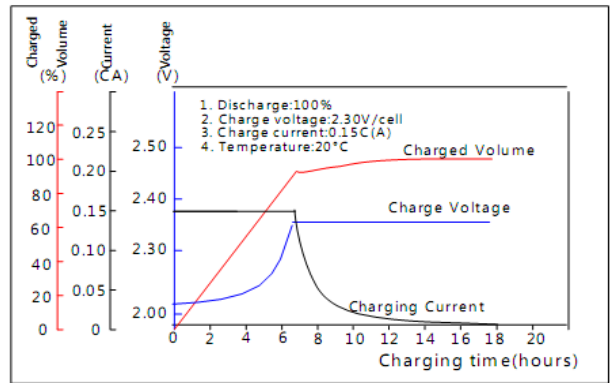
Dimensions



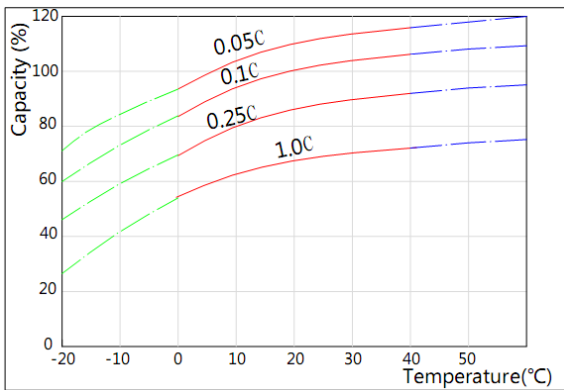
Discharge Characteristics(20°C)



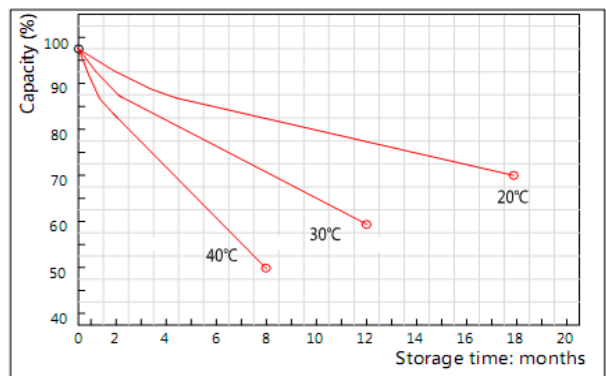
Charging Characteristics(20°C)



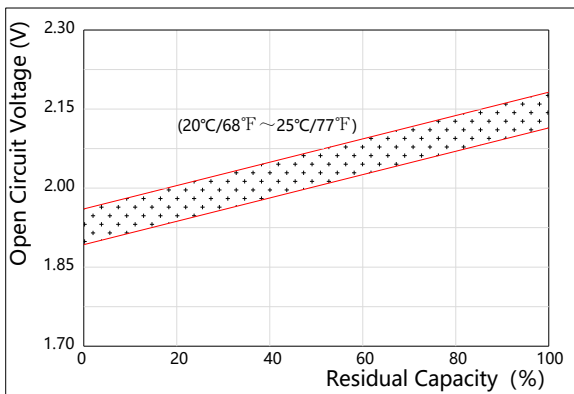
Effect of Temperature on Capacity



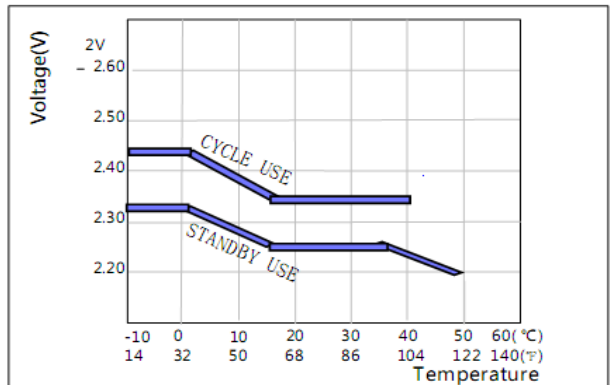
Self-discharge Characteristics



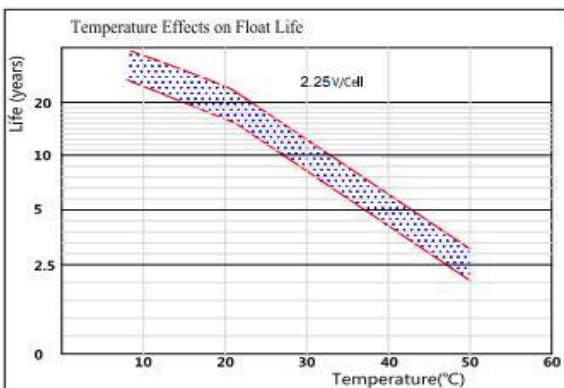
The Relationship for Open Circuit Voltage and Residual Capacity (20°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(20°C)

