

Specifications

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	1465Ah
	10HR(1.80V)	1200 Ah
	1HR(1.60V)	684Ah
Dimension	Length	275 ± 2mm (10.8inch)
	Width	210 ± 2mm (8.27inch)
	Height	646 ± 3mm (25.43inch)
	Total Height	681 ± 3mm (26.81inch)
Approx. Weight		82.0kg (180 lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.35m 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 ~ 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(25°C)		2.25 to 2.27V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -4mV/°C
Maximum charging current		240A
Terminal material		Copper
Maximum discharge current		6000A(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, 25°C)

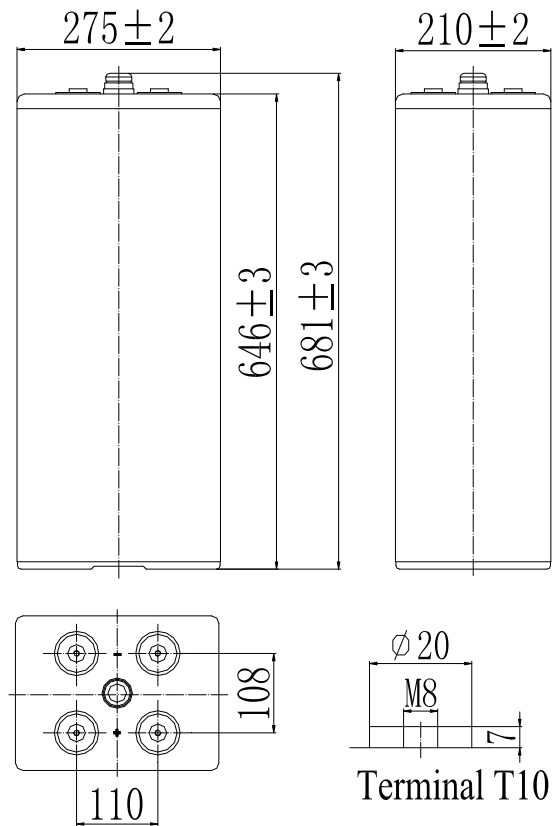
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1000	673	412	317	256	218	187	148	122	64.6	55.7	---	---	---	---
1.70V	970	656	408	314	253	216	186	146	121	64.4	55.3	29.4	---	---	---
1.75V	946	643	402	312	252	215	185	145	121	64.1	55.2	29.3	19.9	---	---
1.80V	911	624	391	302	245	209	179	140	120	63.6	55.0	29.0	19.8	---	---
1.85V	865	593	372	287	233	198	170	133	114	60.5	52.2	28.4	19.4	14.5	12.2

Constant Power Discharge Characteristics (Watt, 25°C)

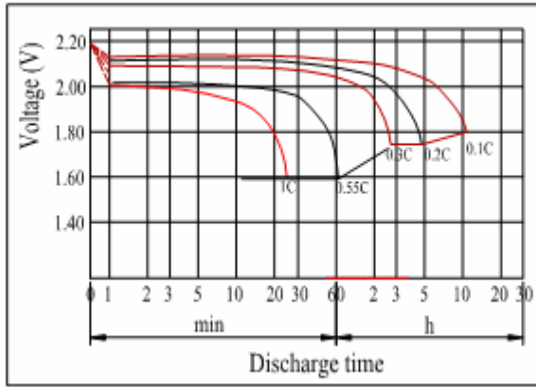
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1870	1280	794	620	500	430	370	292	242	130	112	---	---	---	---
1.70V	1812	1248	787	616	497	426	367	289	242	128	111	59.4	---	---	---
1.75V	1768	1223	775	612	494	424	364	288	240	128	111	59.0	40.7	---	---
1.80V	1703	1186	756	593	479	410	353	278	239	127	111	58.7	40.4	---	---
1.85V	1618	1127	719	563	455	390	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.

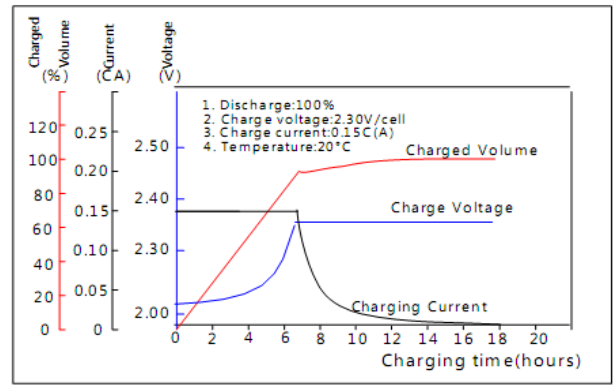
Dimensions



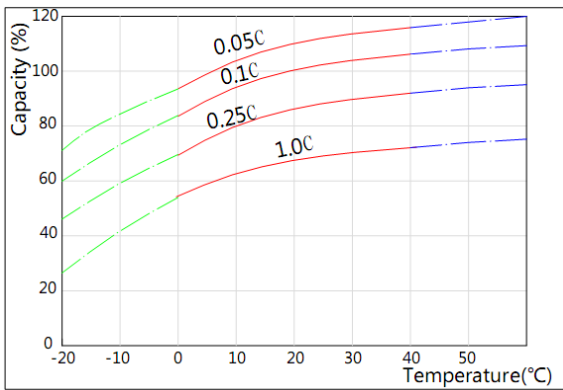
Discharge Characteristics(25°C)



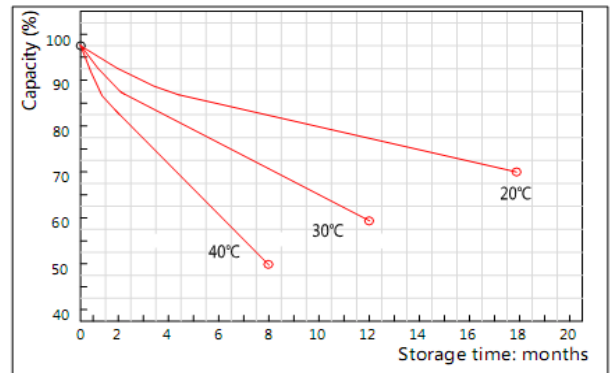
Charging Characteristics(25°C)



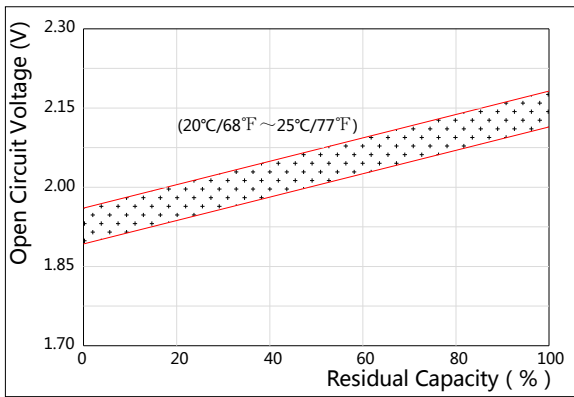
Effect of Temperature on Capacity



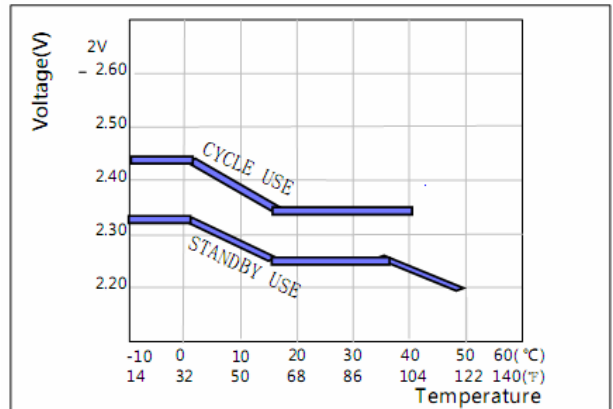
Self-discharge Characteristics



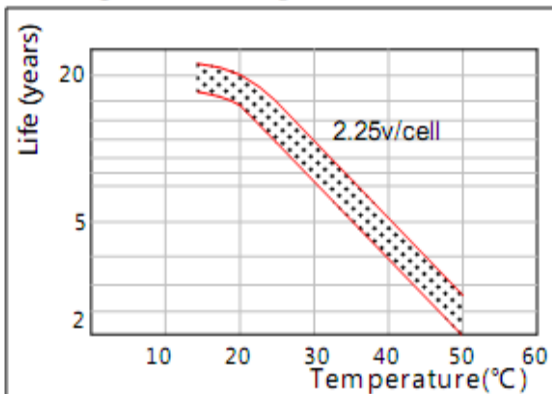
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

