

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	800 Ah
	3HR(1.75V)	600Ah
	1HR(1.60V)	455Ah
Dimension	Length	210±2mm (8.27inch)
	Width	191±2mm (7.52inch)
	Height	646±3mm (25.43inch)
	Total Height	681±3mm (26.81inch)
Approx. Weight		60kg (132lbs)±3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.40mΩ
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		160A
Terminal material		Copper
Maximum discharge current		4000A(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)

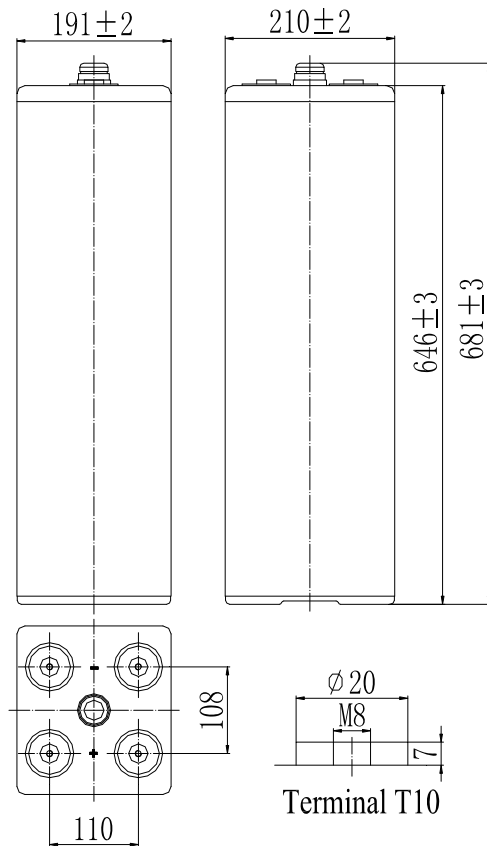
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	640	455	280	205	165	144	124	96.8	81.6	43.1	---	---
1.65V	631	447	280	205	163	143	123	96.8	81.6	43.1	--	--
1.70V	615	432	279	201	161	141	122	96.0	80.8	42.4	19.5	---
1.75V	600	424	272	200	161	141	121	95.2	80.8	42.4	19.5	8.08
1.80V	584	408	265	193	156	137	117	92.0	80.0	42.3	19.3	8.03

Constant Power Discharge Characteristics (Watt, 25°C)

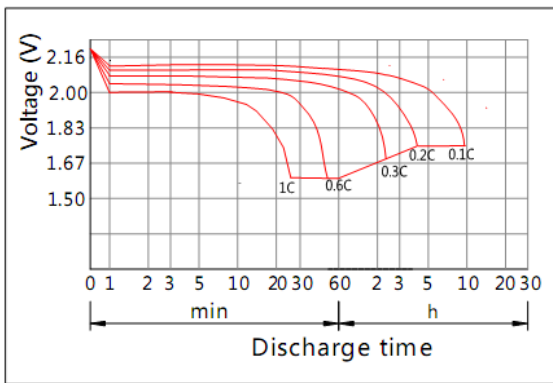
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	1199	856	543	400	321	281	245	193	163	85.6	---	---
1.65V	1175	847	536	399	320	281	241	192	161	85.6	--	--
1.70V	1152	823	535	392	319	280	240	191	161	84.8	39.9	---
1.75V	1128	807	527	392	313	279	239	189	160	84.8	39.3	16.48
1.80V	1095	784	512	383	305	271	232	184	159	84.0	39.2	16.40

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

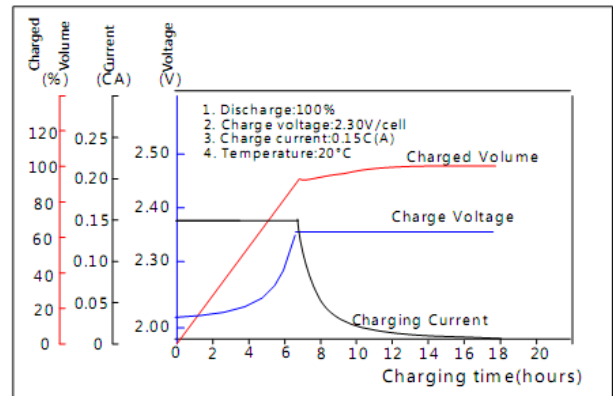
Dimensions



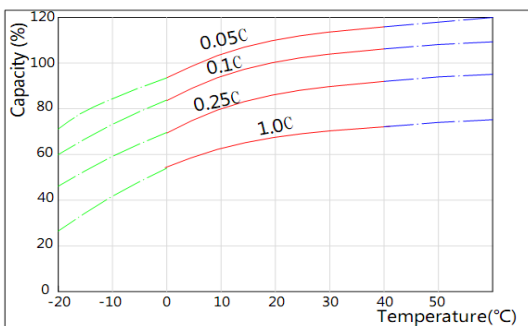
Discharge Characteristics(25°C)



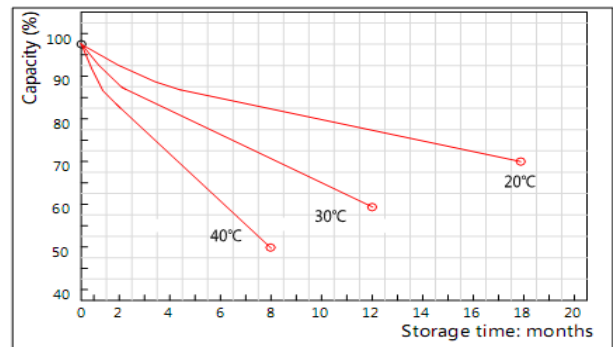
Charging Characteristics(25°C)



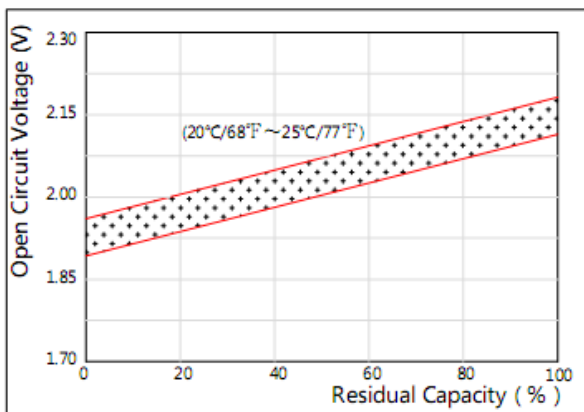
Effect of Temperature on Capacity



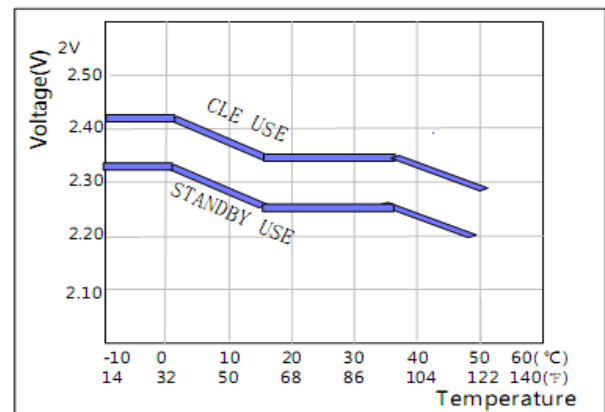
Self-discharge Characteristics



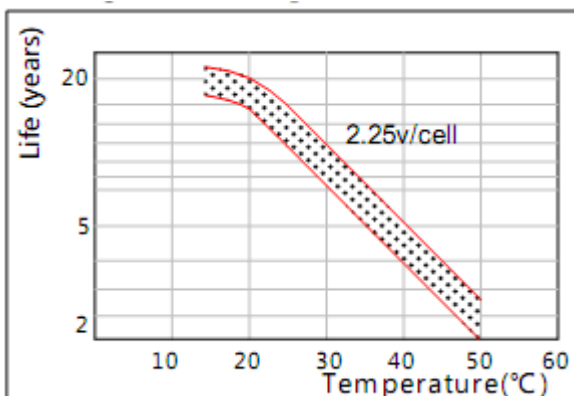
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

