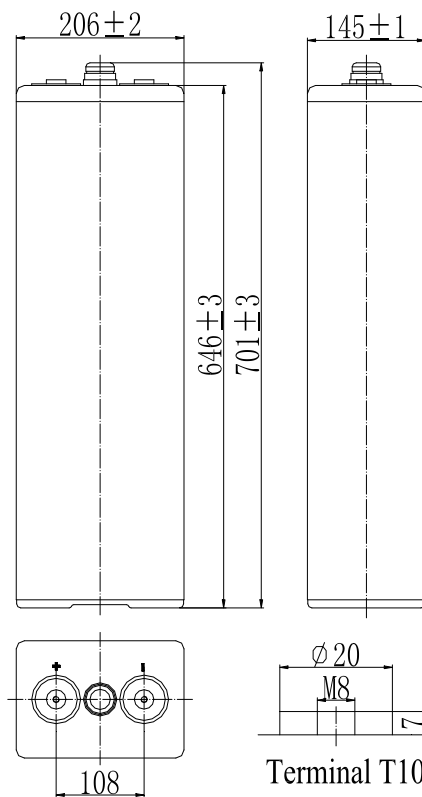


Specifications

Nominal Voltage		2 V
Capacity (25°C)	100HR(1.80V)	786 Ah
	10HR(1.80V)	600 Ah
	3HR(1.75V)	459Ah
	1HR(1.75V)	316Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	145 ± 1mm (5.71inch)
	Height	646 ± 3mm (25.43inch)
	Total Height	701 ± 3mm (27.60inch)
Battery Weigh	Dry	32.4kg (71.4lbs) ± 5%
	Wet	44.4kg (97.9lbs) ± 5%
Acid Weight (d=1.24kg/l)		Approx.12kg (26.5lbs)
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.45m Ω
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 88%
	6 month	Remaining Capacity: 76%
	12 month	Remaining Capacity: 55%
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)		2.20 to 2.24V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -5mV/°C
Maximum charging current		150A
Terminal material		Copper
Maximum discharge current		1200A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Tubular Positive Plate;
- ◆ Flooded Battery;
- ◆ Transparent Container.

Dimensions



Constant Current Discharge Characteristics (A, 25°C)

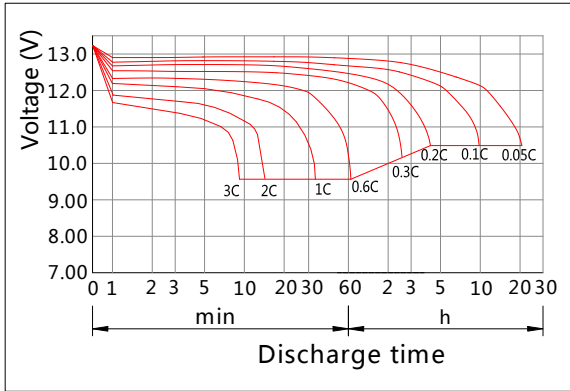
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	492	336	201	157	126	111	94.3	72.1	61.1	33.0	28.7
1.65V	482	331	200	156	126	110	93.7	71.7	61.0	32.9	28.7
1.70V	467	323	198	154	124	109	92.4	70.7	60.8	32.8	28.6
1.75V	456	316	195	153	123	108	91.8	70.2	60.4	32.6	28.4
1.80V	439	306	190	148	119	105	89.0	68.1	60.0	32.4	28.2

Constant Power Discharge Characteristics (Watt, 25°C)

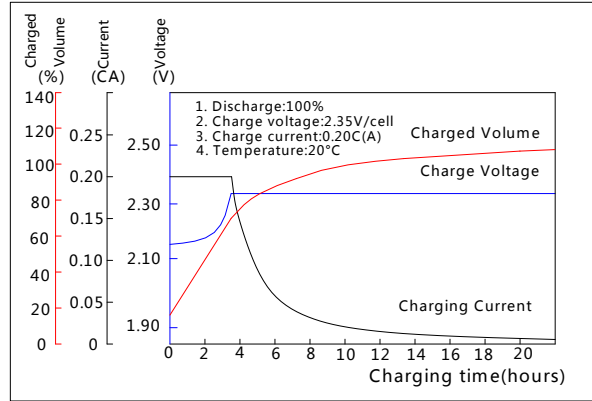
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	920	638	388	308	248	219	186	143	122	66.0	57.7
1.65V	902	629	386	306	246	217	185	142	121	65.8	57.6
1.70V	874	613	382	302	243	214	182	140	121	65.6	57.4
1.75V	853	601	376	300	241	213	181	139	120	65.3	57.1
1.80V	822	582	367	291	234	206	175	135	119	64.8	56.7

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

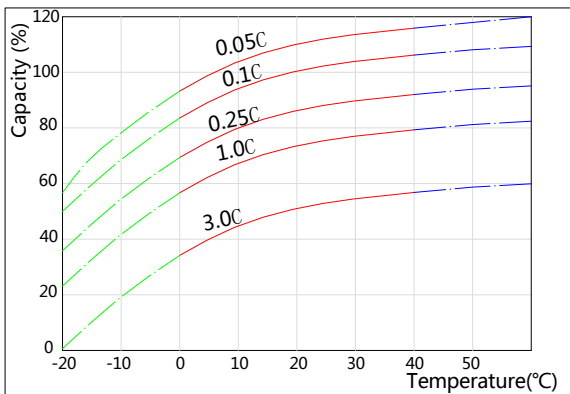
Discharge Characteristics(25°C)



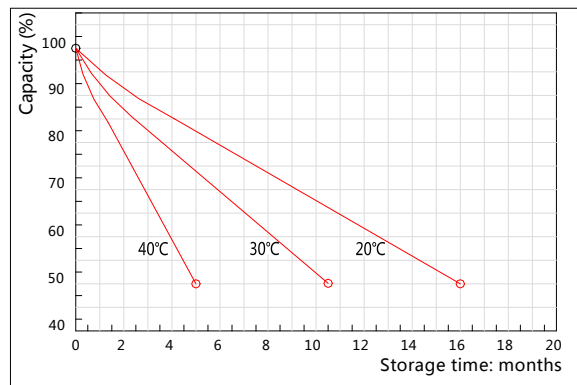
Charging Characteristics(25°C)



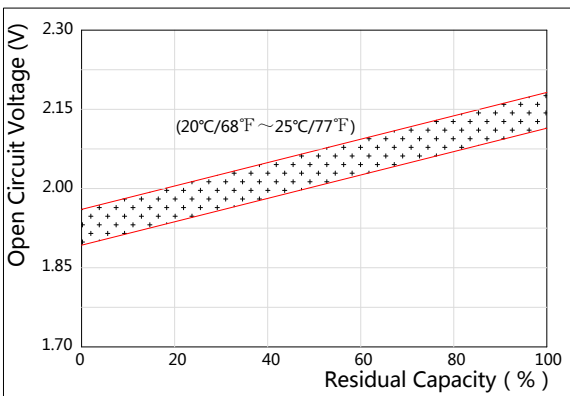
Effect of Temperature on Capacity



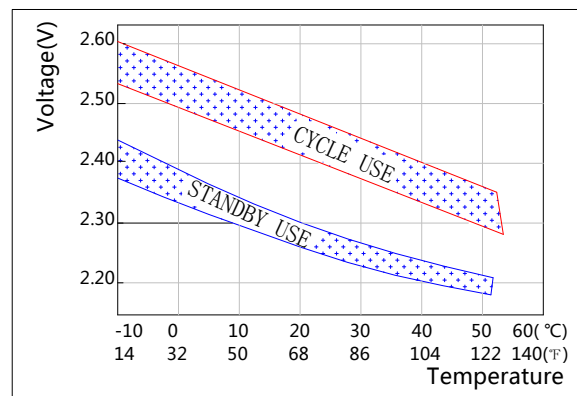
Self-discharge Characteristics



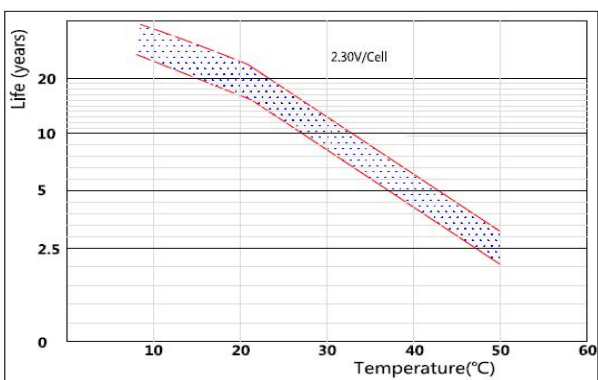
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

