

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	200 Ah
	3HR(1.75V)	156Ah
	1HR(1.75V)	107Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	103 ± 1mm (4.06inch)
	Height	355 ± 2mm (13.98inch)
	Total Height	390 ± 2mm (15.35inch)
Approx. Weight		16.5kg (36.4lbs) ± 5%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 1.1mΩ
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: 93%
	6 month	Remaining Capacity: 85%
	12 month	Remaining Capacity: 72%
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 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -5mV/°C
Maximum charging current		40A
Terminal material		Copper
Maximum discharge current		800A(5 sec.)
Designed floating life(20°C)		20 years

- Gelled electrolyte technology;
- Tubular Positive Plate;
- ABS container.

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h
1.60V	220	170	114	69.0	53.0	42.8	36.5	31.4	24.7	20.4	10.8	9.30	4.94
1.65V	215	167	112	68.6	52.7	42.6	36.3	31.2	24.5	20.3	10.8	9.28	4.92
1.70V	207	162	109	68.0	52.4	42.3	36.1	31.0	24.4	20.3	10.7	9.21	4.90
1.75V	200	158	107	67.0	52.0	42.0	35.8	30.8	24.2	20.1	10.7	9.20	4.87
1.80V	189	152	104	65.3	50.4	40.7	34.7	29.9	23.5	20.0	10.6	9.16	4.84

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h
1.60V	403	318	217	133	104	84.0	71.9	61.9	48.9	40.5	21.6	18.7	9.97
1.65V	393	312	213	132	103	83.5	71.5	61.5	48.6	40.4	21.5	18.7	9.94
1.70V	378	302	208	131	103	82.9	71.0	61.1	48.3	40.3	21.5	18.5	9.90
1.75V	366	295	204	129	102	82.3	70.5	60.7	47.9	40.1	21.3	18.5	9.85
1.80V	346	284	198	126	98.9	79.9	68.4	58.9	46.5	39.8	21.2	18.4	9.78

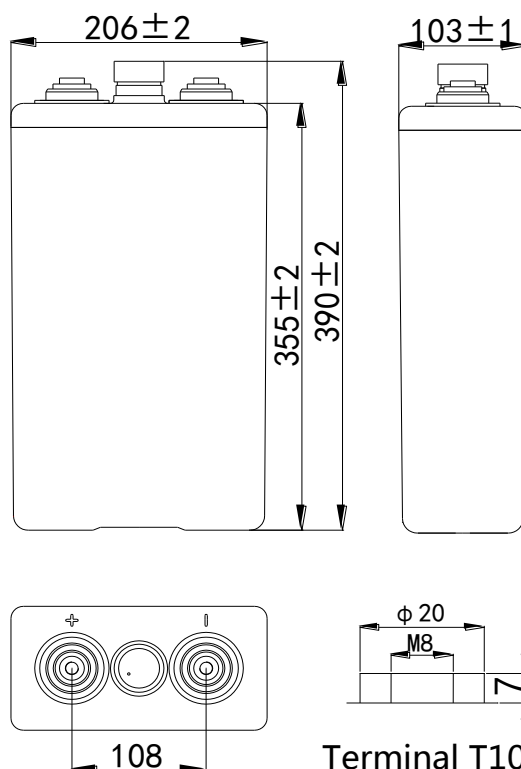
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Long Life

Excellent Performance

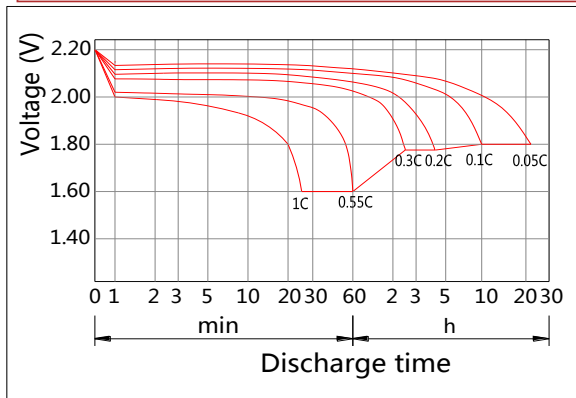
Safety Protection

Dimensions

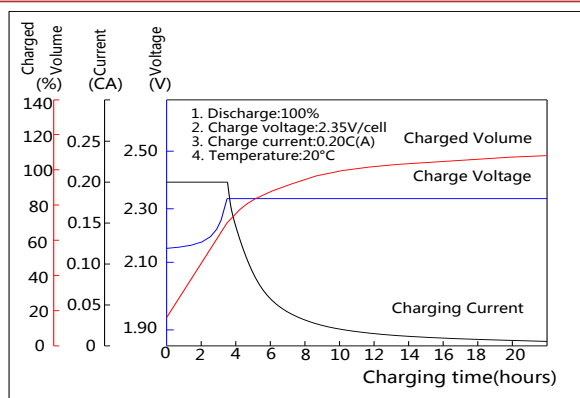


Terminal T10

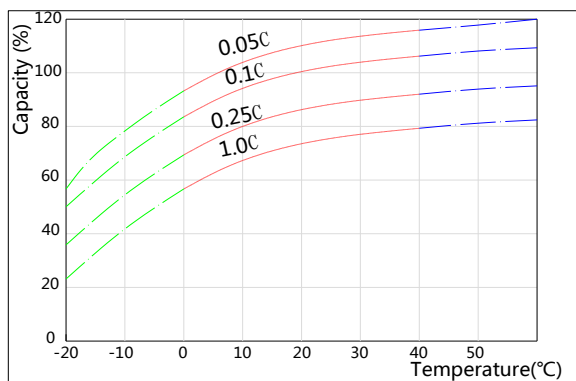
Discharge Characteristics(25 °C)



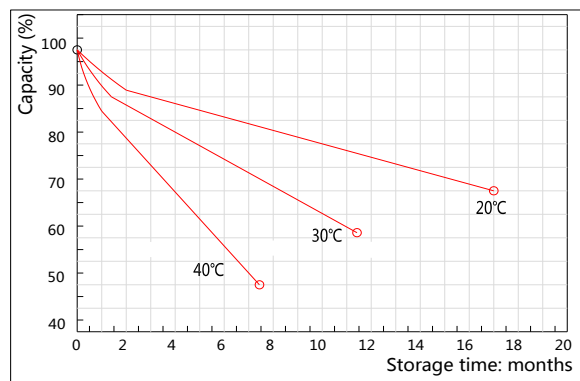
Charging Characteristics(25 °C)



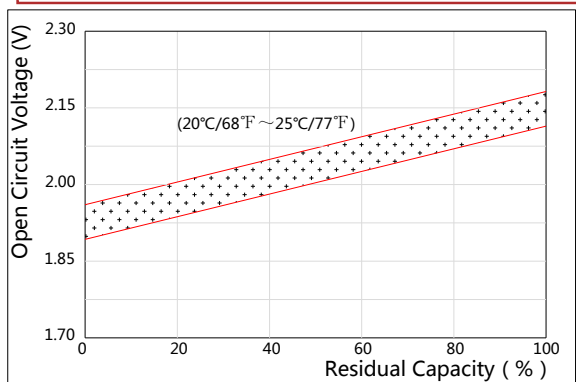
Effect of Temperature on Capacity



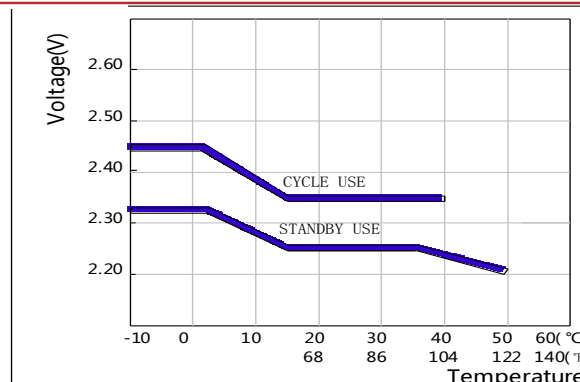
Self-discharge Characteristics



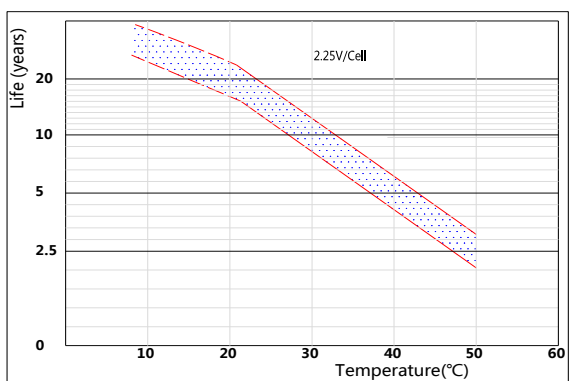
The Relationship for Open Circuit Voltage and Residual Capacity (25 °C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25 °C)

