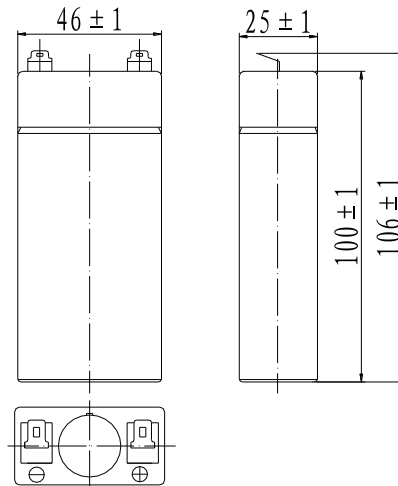
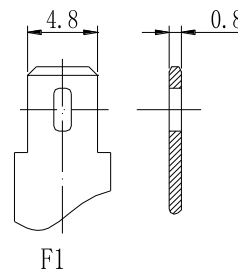


Specifications

Nominal Voltage		2 V
Capacity (25°C)	20HR(1.75V)	4.0Ah
	10HR(1.75V)	3.7Ah
	1HR(1.60V)	2.5Ah
Dimension	Length	46 ± 1mm (1.81inch)
	Width	25 ± 1mm (0.98inch)
	Height	100 ± 1mm (3.94inch)
	Total Height	106 ± 1mm (4.17inch)
Approx. Weight		0.25kg (0.55lbs) ± 5%
Terminal type		F1
Internal resistance (Fully charged, 25°C)		Approx. 9mΩ
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
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)		2.27 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.42 to 2.50V Temperature compensation: -5mV/°C
Maximum charging current		1.2A
Maximum discharge current		60A(5 sec.)
Designed floating life(20°C)		5 years

Dimensions

Terminal

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
1.60V	14.8	9.39	7.33	4.13	2.54	1.43	0.99	0.82	0.70	0.38	0.20
1.65V	14.4	9.11	7.16	4.05	2.50	1.42	0.99	0.82	0.69	0.38	0.20
1.70V	13.8	8.73	6.89	3.93	2.44	1.41	0.98	0.81	0.69	0.38	0.20
1.75V	13.2	8.36	6.66	3.83	2.39	1.39	0.97	0.80	0.68	0.37	0.20
1.80V	12.5	7.89	6.31	3.69	2.32	1.36	0.94	0.78	0.66	0.37	0.20

Constant Power Discharge Characteristics (Watt, 25°C)

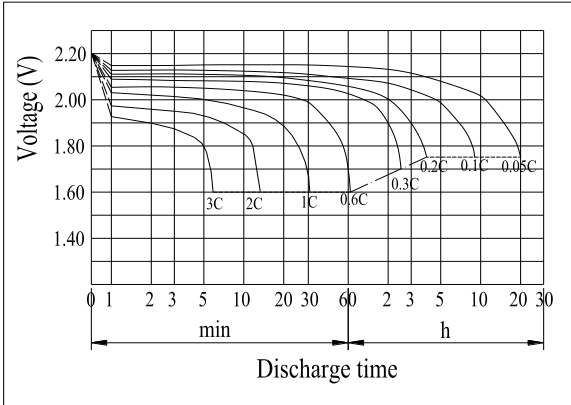
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
1.60V	27.6	17.7	13.9	7.89	4.90	2.79	1.96	1.63	1.39	0.76	0.41
1.65V	26.7	17.1	13.6	7.73	4.83	2.78	1.95	1.62	1.38	0.75	0.40
1.70V	25.6	16.4	13.1	7.50	4.71	2.75	1.94	1.61	1.37	0.75	0.40
1.75V	24.5	15.7	12.7	7.32	4.62	2.71	1.92	1.60	1.36	0.75	0.40
1.80V	23.2	14.8	12.0	7.05	4.47	2.64	1.87	1.55	1.32	0.73	0.39

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

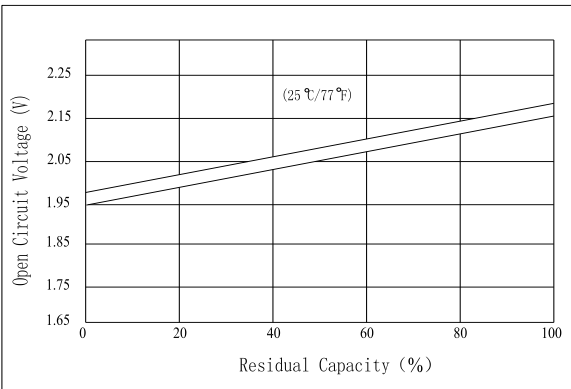
Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

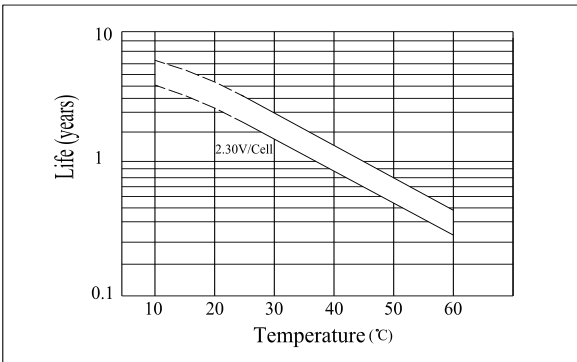
Discharge Characteristics(25°C)



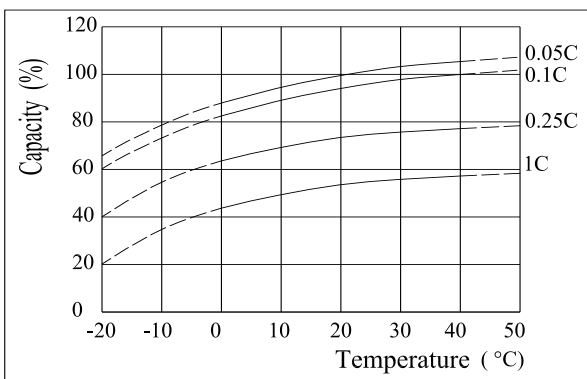
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



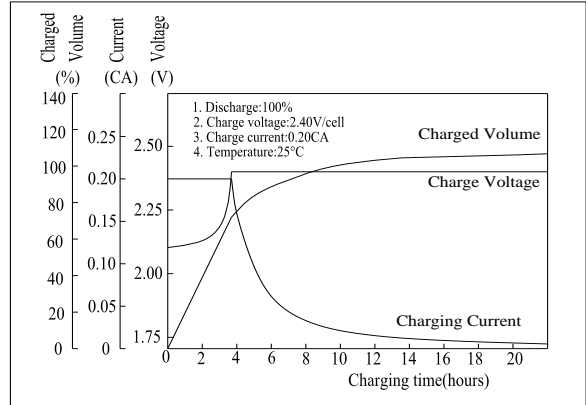
Floating Life on Temperature



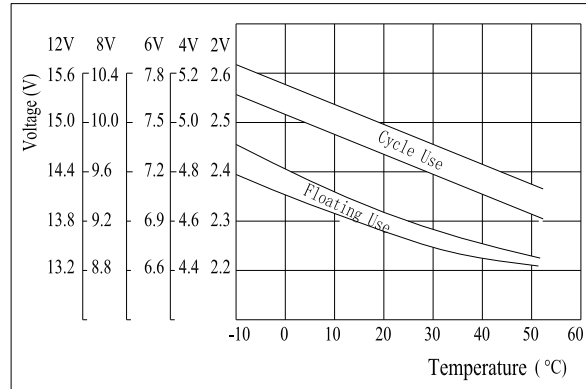
Effect of Temperature on Capacity



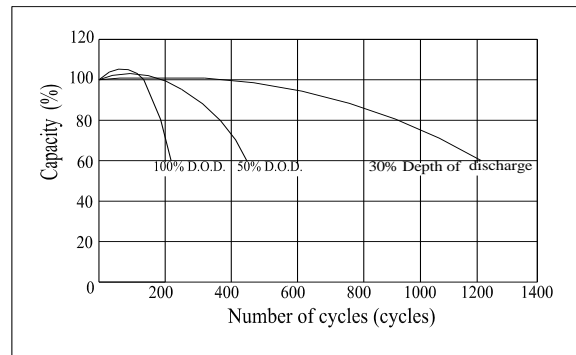
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

